



GML Corporation • 594 Marrett Road, Lexington, Massachusetts 02173 • (617) 861-0515

ABOUT THIS ISSUE

This first 1978 issue of COMPUTER REVIEW introduces 75 central processors not previously listed, 63 domestic and 12 foreign. Nine new companies manufacturing computers have been added, and machines which are no longer manufactured and marketed have been deleted.

The new companies appearing in this Edition which manufacture computers are Basic Timesharing, Business Systems Products, Foxboro, General Computer, Intel, Scan-Data, Sfena, Spectrum 8 and Sycor. Philips Electric will henceforth be listed as Philips Data Systems and Entrex which has been acquired by Nixdorf Computer had its equipment relisted under the new name.

This is the second year the COMPUTER REVIEW, which lists central processors and systems generally costing over \$50,000., has been generated from GML's exclusive computerized EDP equipment data base. Our subscribers will be pleased to note that as a result of computerization material presented in these pages reflects the booming worldwide computer industry in its most current state.

Supplements during the year will extend coverage in the COMPUTER REVIEW to include detailed specifications and prices of peripherals, manufacturers company financial profiles, and a review of about 150 of the worlds most popular operating systems.

COMPUTER REVIEW

1978

COMPUTER REVIEW, compiled and published by GML Corporation, lists the salient features of virtually all digital computers and related peripheral devices commercially available. New equipment updates and price changes are issued three times a year and inserted alphabetically by manufacturer.

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<i>Publisher</i>	George M. Luhowy
<i>Editorial Board</i>	George M. Luhowy Robert D. MacCormack Carl Machover Margaret A. Hatfield
<i>Editor</i>	Margaret A. Hatfield
<i>Associate Editors</i>	Walter Sklannik Steven Lewitsky Susan Stocker
<i>Production</i>	Cristina Ferla Jennifer M. Hatfield Barbara Heywood Mark Storer
<i>Circulation Manager</i>	Carl Turley

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USING THE COMPUTER REVIEW

The COMPUTER REVIEW is divided into three self-contained sections which are cross-referenced alphabetically by company for in-depth analysis requirements and for quick reference to specific data.

SECTION I: COMPUTERS includes

- an INDEX of the computers appearing in the COMPUTER REVIEW
- an EXPLANATION OF CATEGORIES listing definitions of the terms used to describe each computer in each model summary
- and the MODEL SUMMARIES, each summary being devoted to a full page of equipment coverage, prices and marketing information.

SECTION II: PERIPHERALS, which are organized into four device types.

DISK & DRUM STORAGE
MAGNETIC TAPE EQUIPMENT
LINE PRINTERS
and CARD EQUIPMENT

- Each division is preceded by an EXPLANATION OF COLUMN HEADINGS.

SECTION III: SOFTWARE OPERATING SYSTEMS, which are preceded by an EXPLANATION OF CATEGORIES.

A DIRECTORY OF MANUFACTURERS lists the addresses and telephone numbers of the headquarters of all computer manufacturers included in the COMPUTER REVIEW.

COMPUTERS

Explanation of Categories

GLOSSARY OF ACRONYMS

CPU	Central Processing Unit
CRT	Cathode Ray Tube
DMA	Direct Memory Access
IO	Input/Output
LSI	Large Scale Integration
MOS	Metal Oxide Semiconductor
MOSFET	Metal Oxide Semiconductor Field Effect Transistor
OS	Operating System
PROM	Programmable Read Only Memory
RAM	Random Access Memory
RJE	Remote Job Entry
ROM	Read Only Memory
VDT	Video Display Terminal

APPLICATIONS

Computers are used in the following market:

Business/ Commercial	Applications such as file processing, inventory-control, orders and sales, customer-credit reports, and accounting.
Communications Processor	On-line, real time applications. Standard hardware includes a 16-line (or more) communications multiplexor with interfaces from the manufacturer.
Industrial Process Control	Typical areas include environmental control, pilot plants, chemical processes, and petroleum refining. Analog-to-digital, or digital-to-analog converter line interfaces are standard.
Laboratory/ Scientific	Non-business applications related to scientific or research problem solving.
Engineering/ Computation	Design and simulation applications such as highway or structural/mechanical design, or circuit analysis. The configuration will be typified by a high computation speed, floating point arithmetic, and extensive mathematical/computational sub-routine packages.

Education	Includes Computer Aided Instruction or small special purpose time-sharing systems with BASIC or APL. General equipment configuration will include a central processor, disk storage, and four to eight typewriter or CRT terminals.
Banking	Applications range from bank accounting functions in local branches to the more sophisticated electronic funds transfer, credit verification, and message switching. In this application the equipment is used either in a stand alone or pre-processing configuration.
Data Entry	The transcription of data from manual business (or scientific) forms for input to a large processor system. Typical configurations will consist of 4 to 16 alphanumeric CRTs locally connected to a minicomputer that edits, formats, and batches data, and stores it on tape or disk for subsequent processing.

FEATURES

The terms used to describe outstanding features of each minicomputer are:

Upward Compatible	The availability of program-compatible computers from the same manufacturer, larger or more powerful than the model described.
Field Service	The availability of field maintenance.
Applications Software	The availability of standard software packages for specific applications.
Conversational Languages	The availability of languages which allow conversational interaction between the user and computer.
User Micro-programmable	Standard hardware which allows the user to alter the instruction set by programming the elementary (micro) machine commands.
Factory Micro-programmable	The option for the vendor to alter the instruction set by programming the elementary (micro) machine commands.
Virtual Memory	Hardware and software which allows automatic control of address specifications beyond the physical main memory capacity.
Multiprocessor	The availability of hardware which allows two or more processors to share common memory modules.

COMPUTER

The terms used to describe hardware features of each computer are:

Word Size	The number of binary digits (bits) which comprise the basic memory unit.
Memory	The minimum and maximum memory capacity in words.
Cycle Time	The time to read (and restore) a single word in memory.
Add Time	The minimum execution time for a binary add instruction excluding register-to-register operations. Add time given is for the number of bits per word unless otherwise specified.
Cache Memory	A staged memory that can be cycled at a significantly higher rate than the primary computer memory. By transferring blocks of data from main memory to cache memory, processor throughput can be optimized.
Instructions	The availability as standard or options of the following hardware instructions:
<i>Byte Manipulation</i>	The ability to process and list characters as one unit.
<i>Decimal Arithmetic</i>	Decimal arithmetic instructions.
<i>Extended Precision</i>	Arithmetic operations on operands two or more word sizes in length.
<i>Floating point</i>	Arithmetic operation on operands with variable (floating) binary point.
<i>Indirect Addressing</i>	Specifies a memory location which contains the address of the operand location.
<i>Multiply & Divide</i>	Hardware instruction for multiplication and division operands.
<i>Stack Processing</i>	Ability through machine instructions to access sequentially nested data.
Accumulators	The number of hardware registers available for arithmetic operations.
Index Registers	The number of registers available for address modification.
I/O Communications	The availability as standard or optional of:
<i>Asynchronous</i>	Interfaces for asynchronous (character by character) line transmission.

<i>Bisynchronous</i>	Interfaces for data transmission by block message using IBM binary synchronous communications discipline.
<i>Direct Memory Access</i>	The transfer into and out of the computer memory, by-passing the processor.
<i>Multiport Memory</i>	Memory modules with multiple access paths, the first of which is to the central processor.
<i>Selectable Line Speeds</i>	Interfaces for asynchronous or synchronous transmission of rates which are jumper, switch, or program-selectable.
<i>Autodial</i>	Interfaces which allow automatic operation of terminals under computer activated control.
I/O Transfer Rate	The maximum transfer rate of data to the computer, in characters per second.
Processor Features	The availability as standard or optional of the following processor features:
<i>Base Address Relocation</i>	The ability to relocate programs in memory through use of a base address register.
<i>Real-Time Clock</i>	A hardware register which increments at a fixed rate.
<i>Dynamic Page Relocation</i>	The automatic control of address specifications for mapping of program segments into variable areas of memory.
<i>Memory Parity Detect</i>	A method of adding parity check bits to every word written in memory, which detect single bit errors but cannot correct them.
<i>Power Fail Safe</i>	Hardware or software which provides automatic restart of programs following a power failure.
<i>Memory Parity Correct</i>	A method of adding check bits to each word (e.g. 5 check bits to each 16-bit word) which locate inaccurate words, correct them, and write them back into memory while sending the corrected versions to the CPU.
<i>Memory Protection</i>	The ability to restrict, under program control, use of portions of memory by programs or data transfers.
<i>Interrupt</i>	Internal or external signal causing the temporary suspension of normal program execution in order that the cause of the interrupt be handled.
<i>Priority Interrupt</i>	Includes ordering facilities which ensure that the CPU is always attending to the most important task.
<i>Vectored Interrupt</i>	A vectored interrupt structure allows the CPU to react with a specific interrupt routine to incoming requests.
Interface Slots	The number of physical I/O slots enabling transfer of data between the processor and a peripheral subsystem.

PERIPHERALS

The availability from the computer manufacturer as standard product offerings of the peripheral equipment listed below is indicated by model numbers (#), technical specifications, or yes/no.

Removable Disk	Capacity noted in megabytes (MB).
Fixed Head Disk	Capacity noted in megabytes (MB).
Flexible Diskette	Capacity noted in kilobytes (KB).
Magnetic Tape	Transfer rate noted in milliseconds (ms) or microseconds (usec); Speed in inches-per-second (ips).
Tape Cassettes	Transfer rate noted in milliseconds (ms) or microseconds (usec); Speed in inches-per-second (ips).
Line Printer	Speed noted in lines-per-minute (lpm).
Serial Printer	Speed noted in characters-per-second (cps).
Card Reader or Punch	Speed noted in cards-per-minute (cpm).
Paper Tape Reader or Punch	Speed noted in characters-per-second (cpm).
Display Terminal	Characters-per-screen (cps) noted.
Multiplexor	Type noted — Asynchronous, Synchronous, Analog to Digital (A-D), or Digital to Analog (D-A) converter lines.
Terminals per System	The number of interactive I/O devices which may be interfaced to the system.

SYSTEMS SOFTWARE

Availability of the following assemblers and operating systems is indicated by an asterisk (*). Core memory requirements are noted.

Assembler	Allows programming of the machine instruction set using mnemonic symbols (2K to 4K memory and teletypewriter are required).
Macro Assembler	Generates user-defined mnemonic codes for operations on multiple operands. Provides a medium between assembly language programming and higher level language programming (4K to 8K memory and teletypewriter are required).

Disk Monitor	An operating system that has an interrupt capacity to schedule and execute program files, and to reference and use data from either main memory or disk (8K to 32K memory required).
Real Time Monitor	An operating system driven by or scheduled to non-sequential external events. (8K to 24K memory, teletypewriter, and mass storage are required).
Time Sharing Monitor	An executive which provides control for the concurrent use of the CPU by a number of users from remote terminals on a time-slicing basis. (12K to 24K memory, mass storage, remote terminals, and output devices, such as a printer, are required).
Batch Monitor	An executive for sequential job operations, or "job streams", (8K to 16K memory, teletypewriter, and I/O devices such as card readers and printers are required).
Data Base System	An interface programming system between applications programs and an operating system, to allow the user to reference and manipulate structured data files. (Generally 16K or more memory and disk storage of millions to hundreds of millions characters are required. Amount of disk storage depends on size of data base files).

SOFTWARE LANGUAGES

Availability of the following compilers and interpreters is indicated by an asterisk (*). Core memory requirements are noted.

APL	A programming Language; A less extensive version of PL/I (16K memory is required).
ALGOL	ALGOrithmic Language; A powerful scientific application language widely used in Europe (8K memory and teletypewriter are required).
BASIC	Beginners All-purpose Symbolic Instruction Code; A simple English-like programming language that is well suited for time sharing (4K memory and teletypewriter are required).
COBOL	COmmon Business Oriented Language; A specific language by which commercial data processing may be described in a standard form. Not widely supported on small computers (8K memory and teletypewriter are usually required).
FORTRAN	FORmula TRANslator; The most widely known and used programming language for small computers. Scientifically-oriented but useful for business programming as well (4K to 12K memory and typewriter are usually required).

PL/1	Programming Language-1; A powerful scientific and business applications language which combines each of higher-level language programming with the control of computer operations generally associated with assembly languages (8K to 16K memory and teletypewriter are required).
RPG	Programming system for generating reports in pre-specified formats. (4K to 8K memory and teletypewriter are usually required).

PRICES

Prices are given for the following:

Basic Computer	Central processor with minimum memory.
Add-On Memory	The smallest-standard increment of additional memory.
Basic System	A minimum configuration, including the basic CPU, power supply, and appropriate peripherals with controllers and interfaces.

MARKETING

Main Market	Original equipment manufacturers (OEM) who incorporate computers into their own equipment, or end users who either use available peripherals, software, and manufacturer support for specific applications or purchase turnkey systems.								
Units Sold	Number of units sold as of a certain date.								
Maintenance	<table> <tr> <td>Customer</td> <td>Unit covered by warranty only.</td> </tr> <tr> <td>Depot</td> <td>Unit returned to a manufacturer-specified service facility.</td> </tr> <tr> <td>Factory</td> <td>Unit returned to the factory for maintenance.</td> </tr> <tr> <td>On Call</td> <td>Maintenance will be performed at the user's site.</td> </tr> </table>	Customer	Unit covered by warranty only.	Depot	Unit returned to a manufacturer-specified service facility.	Factory	Unit returned to the factory for maintenance.	On Call	Maintenance will be performed at the user's site.
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MODEL SUMMARIES

INTRODUCED IN 1975, THE AMDAHL 470V/6 IS A LARGE-SCALE CENTRAL PROCESSOR WITH DIAGNOSTIC CONSOLE DESIGNED TO BE COMPATIBLE WITH IBM SYSTEM/370 SOFTWARE AND IBM PERIPHERALS. IT IS USED FOR BUSINESS AND SCIENTIFIC APPLICATIONS AND FEATURES VIRTUAL STORAGE, A CYCLE TIME OF 32 NANOSECONDS, PRIORITY INTERRUPTS, MEMORY PROTECTION AND FLOATING POINT HARDWARE. BISYNCHRONOUS I/O COMMUNICATIONS REQUIRE ATTACHMENT OF A COMMUNICATIONS CONTROLLER AND MODEMS. THIS SYSTEM WAS DESIGNED TO COMPETE FAVORABLY WITH MEDIUM TO LARGE IBM 370 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 2048K
 CYCLE TIME: .0325 USEC
 ADD TIME: .06 USEC
 CACHE MEMORY: 16KB, 33WS
 # OF INSTRUCTIONS: 179
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 20
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 14MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: IBM SYSTEMS SOFTWARE

PRICES

COMPUTER: \$N/A
 MEMORY: \$300000, 1000K
 SYSTEM: \$3850000, 1000K
 INCLUDES 1MB CPU; 16K HIGH SPEED BUFFER; 16 CHANNELS; CONSOLE AND POWER DISTRIBUTION UNIT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE: YES
 LINE PRINTER: YES
 SERIAL PRINTER: YES
 CARD RD,PM: YES
 PAPER TAPE RD,PM: YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: IBM PERIPHERALS

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: IBM SOFTWARE LANGS.

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 21 (09/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE AMDAHL 470V/6-2 IS A LARGE-SCALE CENTRAL PROCESSOR WITH A DIAGNOSTIC CONSOLE DESIGNED TO BE COMPATIBLE WITH IBM SYSTEM/370 SOFTWARE AND IBM PERIPHERALS. THE 470V/6-2 OFFERS A 32K-BYTE HIGH SPEED BUFFER AND A 5-15% IMPROVEMENT IN MAINFRAME THROUGHPUT OVER THE 470V/6 CPU. IT FEATURES VIRTUAL STORAGE, PRIORITY INTERRUPTS, MEMORY PROTECTION, AND A CYCLE TIME OF 32.5 NANO-SECONDS. THIS SYSTEM WAS DESIGNED TO COMPETE FAVORABLY WITH MEDIUM TO LARGE IBM 370 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 8000K
 CYCLE TIME: .0325 USEC
 ADD TIME: .06 USEC
 CACHE MEMORY: 32KB, NS
 # OF INSTRUCTIONS: 179
 INSTRUCTION TYPES (1): BDEPH/
 ACCUMULATORS: 20
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 14MB
 PROCESSOR FEATURES (3): BCDRHEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNT
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$120000, 1000K
 SYSTEM: \$3200000, 6000K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE: YES
 LINE PRINTER: YES
 SERIAL PRINTER: YES
 CARD RD, PW: YES
 PAPER TAPE RD, PW: YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE ARTRONIX PC-12/770 IS A MEMBER OF THE PC-12 SERIES OF MINICOMPUTERS DESIGNED FOR BUSINESS, SCIENTIFIC, AND COMMUNICATIONS APPLICATIONS. THE PC-12/770 FEATURES 48K WORDS OF CORE MEMORY, PRIORITY INTERRUPTS, EXTENDED PRECISION AND DIRECT MEMORY ACCESS. SOFTWARE SUPPORT INCLUDES BATCH AND TIME SHARING MONIORS AND A DATA BASE MANAGEMENT SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 12 BITS
 MEMORY: 48 TO 64K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME: 1.2 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 37
 INSTRUCTION TYPES (1): EPIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 64
 I/O COMMUNICATIONS (2): AD/B
 I/O TRANSFER RATE: 1.2MB
 PROCESSOR FEATURES (3): BCVR/
 INTERFACE SLOTS: 28

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 8K
 - MACRO ASSEM
 - DISK MONITOR
 - REAL TIME MNT
 - * T/S MONITOR 24K
 - * BATCH MONITOR 24K
 - * DATA BASE SYS 24K
- OTHER:

PRICES

COMPUTER: \$59800, 48K
 MEMORY: \$2700, 4K
 SYSTEM: \$72600, 48K
 INCLUDES 48K CPU; TWO #1660 DISPLAY TERMINALS; #1631 LINE PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 1234
 FIXED HEAD DISK: 1230
 FLEXIBLE DISK: 1232
 MAGNETIC TAPE: 1220
 TAPE CASSETTE:
 LINE PRINTER: 1631
 SERIAL PRINTER: 1636
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL: 1660
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 * FORTRAN 8K
 PL1
 RPG
 OTHER: MUMPS, 24K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE PC-12/790 IS A MEMBER OF THE ARTRONIX PC-12 SERIES OF MINICOMPUTERS DESIGNED FOR BUSINESS, SCIENTIFIC, AND COMMUNICATIONS APPLICATIONS. THE PC-12/790 FEATURES 64K OF CORE MEMORY, PRIORITY INTERRUPTS, EXTENDED PRECISION, AND DIRECT MEMORY ACCESS. SOFTWARE SUPPORT INCLUDES BATCH AND TIME SHARING MONITORS AND A DATA BASE MANAGEMENT SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 12 BITS
 MEMORY: 64K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME: 1.2 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 37
 INSTRUCTION TYPES (1): EPIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 64
 I/O COMMUNICATIONS (2): AD/B
 I/O TRANSFER RATE: 1.2MB
 PROCESSOR FEATURES (3): BCVR/
 INTERFACE SLOTS: 28

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 8K
- MACRO ASSEM
- DISK MONITOR
- REAL TIME MONTR
- * T/S MONITOR 24K
- * BATCH MONITOR 24K
- * DATA BASE SYS 24K
- OTHER:

PRICES

COMPUTER: \$66400, 64K
 MEMORY:
 SYSTEM: \$97800, 64K
 INCLUDES 64K CPU; FOUR #1660 DISPLAY TERMINALS; TWO #1636 TERMINALS; TWO #1631 LINE PRINTERS.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 1234
 FIXED HEAD DISK: 1230
 FLEXIBLE DISK: 1232
 MAGNETIC TAPE: 1220
 TAPE CASSETTE:
 LINE PRINTER: 1631
 SERIAL PRINTER: 1636
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: 1660
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- COBOL
- * FORTRAN 8K
- PL1
- RPG
- OTHER: HUMPS, 24K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE MODEL 600 IS AN 8-BIT, DISK-ORIENTED MINICOMPUTER DESIGNED FOR BUSINESS APPLICATIONS. IT HAS ALL OF THE FEATURES OF SMALLER BASIC/FOUR MODELS PLUS GREATER DISK STORAGE, ON-LINE SYNCHRONOUS COMMUNICATIONS, AND EXPANDED USER MEMORY. THE BASIC/FOUR 600 IS MARKETED AS A MULTI-TERMINAL, INTERACTIVE, FRONT-END PROCESSOR FOR A LARGE COMPUTER FACILITY, AS WELL AS A STAND-ALONE BUSINESS COMPUTER SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 32 TO 64K
 CYCLE TIME: .6 USEC
 ADD TIME: 7.4 USEC
 CACHE MEMORY: 2.6KB, 200NS
 # OF INSTRUCTIONS: 134
 INSTRUCTION TYPES (1): BDFPMS/
 ACCUMULATORS: 2
 INDEX REGISTERS: 6
 I/O COMMUNICATIONS (2): ADM/
 I/O TRANSFER RATE: .31MB
 PROCESSOR FEATURES (3): CFVRME/
 INTERFACE SLOTS: 19

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER: BOSS II

PRICES

COMPUTER: \$5EE MFR, 32K
 MEMORY: \$3000, 8KK
 SYSTEM: \$51400, 32K

INCLUDES 32K CPU; 10MB DISK (#2324), VDT (#7230), 165 CPS PRINTER (#3100).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2324, 10MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 6100, 6200, 6210
 TAPE CASSETTE: N/A
 LINE PRINTER: 913, 3500, 3600
 SERIAL PRINTER: 3101, 3102
 CARD RD, PN: 4100, 4200; N/A
 PAPER TAPE RD, PN: 51X0, 52X0
 DISPLAY TERMINAL: 7230, 1920 CHAR.
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM: 8
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisyynchronous
 D = Direct Memory Access
 M = Multiprot Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE SYSTEM 700 IS A 8-BIT MINICOMPUTER FOR BUSINESS/COMMERCIAL APPLICATIONS. MEMORY IS EXPANDABLE FROM A MINIMUM OF 64K TO A MAXIMUM OF 128K WORDS IN 16K INCREMENTS. UP TO 300 MB OF ON-LINE DISK STORAGE IS AVAILABLE TO SUPPORT UP TO 16 SIMULTANEOUS USER PROGRAMS. SOFTWARE LANGUAGES WHICH ARE SUPPORTED INCLUDE SINGLE-USER BASIC AND MULTI USER BASIC. APPLICATIONS SOFTWARE IS AVAILABLE FROM BOTH THE MANUFACTURER AND BASIC/FOUR DEALERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 64 TO 128K MOS
 CYCLE TIME: .60 USEC
 ADD TIME: 7.4 USEC
 CACHE MEMORY: 2.6KB, 200NS
 # OF INSTRUCTIONS: 134
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 0
 INDEX REGISTERS: 0
 I/O COMMUNICATIONS (2): ADM/B
 I/O TRANSFER RATE: .81MB
 PROCESSOR FEATURES (3): CFVRNE/
 INTERFACE SLOTS: 19

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MONTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER: BOSS 700

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY: \$2500, 16K
 SYSTEM: \$115000, 64K
 INCLUDES 64K CPU; 150MB DISK (#2500); 4 VDT'S (#7230); 4 VDT'S (#7230); 300 LPM
 PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 75MB (2500)
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 10KB/SEC, 12 1/2 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 300,600 LPM
 SERIAL PRINTER: 165 CPS, (3100)
 CARD RD,PN: 4200;N/A
 PAPER TAPE RD,PN: N/A
 DISPLAY TERMINAL: 1920 CHAR.
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM: 16
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 24K
 * MULTI BASIC 24K
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE BTI 4000/25 SYSTEM SERVES TURNKEY COMPUTER APPLICATIONS, SUCH AS GENERAL ACCOUNTING, INVENTORY CONTROL AND TEXT PUBLISHING. THE 4000/25 INCLUDES A SOLID MULTI-USER OPERATING SYSTEM. THE APPLICATION LANGUAGE IS BASIC-X. CAPABLE OF ROUND-THE-CLOCK OPERATIONS, THE 4000/25 HOSTS A VARIETY OF PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: TO 64K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MONTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$588 MFR
 MEMORY:
 SYSTEM: \$56300

FEATURES (*)

UPWARD COMPATIBLE
 FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK: 10 MB
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE B711 IS A SMALL-SCALE BUSINESS MINICOMPUTER. IT IS SIMILAR TO THE BURROUGHS MODEL 705 BUT HAS A CYCLE TIME OFFERING TWICE THE SPEED AND IS SOLD MAINLY IN PACKAGED DATA SYSTEMS, BUT ITS EXPANSION CAPABILITY LEADS TO ITS USE IN MANY OTHER NON-PACKAGED SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 64 BITS
 MEMORY: 32 TO 96K MOS
 CYCLE TIME: 1(2 BYTES) USEC
 ADD TIME: VARIABLE USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: VARIABLE
 INSTRUCTION TYPES (1): BDH/
 ACCUMULATORS: N/A
 INDEX REGISTERS: 4
 I/O COMMUNICATIONS (2): DS/A
 I/O TRANSFER RATE: .0016MB
 PROCESSOR FEATURES (3): RE/
 INTERFACE SLOTS: 8/11

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- REAL TIME HNTR
- T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$26,500, 16K
 MEMORY: \$990, 8K
 SYSTEM: \$34,900, 49K
 PACKAGED SYSTEMS RANGE IN PRICE FROM APPROXIMATELY \$26,500 TO \$69,500.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9480-X, B9481-X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: A9489-15
 MAGNETIC TAPE: B9491-2
 TAPE CASSETTE: A/B9490-25
 LINE PRINTER: A9249, B9249, B9247
 SERIAL PRINTER: N/A
 CARD RD, PN: 911X, 941X
 PAPER TAPE RD, PN: A9122-1; A9222-1
 DISPLAY TERMINAL: TD802, TD700, TD830
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- FORTRAN
- PL1
- * RPG 16K
- OTHER: AEL-AUDIT ENTRY LANG

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE BURROUGHS B721 IS A POWERFUL, GENERAL PURPOSE DATA-PROCESSING SYSTEM. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

BUSINESS/COMMERCIAL
 COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 100K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

UPWARD COMPATIBLE
 * FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER: 20 CPS
 CARD RD,PN:
 PAPER TAPE RD,PN: 100 CPS
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: MICRO SORTER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

THE B730 IS A GENERAL PURPOSE DATA PROCESSING SYSTEM. THE B730 PROCESSOR COMBINES MICROPROGRAMMING WITH HIGH-SPEED MAIN MEMORY TO IMPROVE USE OF MEMORY FOR STORAGE OF APPLICATION PROGRAMS.

APPLICATION (*)	FEATURES (*)
<p>BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM</p>	<p>UPWARD COMPATIBLE * FIELD SERVICE APPLICATION SOFTWARE CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR</p>
<p>COMPUTER (Std/Opt, N/A)</p>	<p>PERIPHERALS (Model #, Specs, N/A)</p>
<p>WORD SIZE: BITS MEMORY: K CYCLE TIME: ADD TIME: CACHE MEMORY: # OF INSTRUCTIONS: INSTRUCTION TYPES (1): / ACCUMULATORS: INDEX REGISTERS: I/O COMMUNICATIONS (2): / I/O TRANSFER RATE: PROCESSOR FEATURES (3): / INTERFACE SLOTS:</p>	<p>REMOVABLE DISK: FIXED HEAD DISK: FLEXIBLE DISK: MAGNETIC TAPE: TAPE CASSETTE: LINE PRINTER: SERIAL PRINTER: CARD RD, PW: PAPER TAPE RD, PW: DISPLAY TERMINAL: MULTIPLEXOR: TERMINALS/SYSTEM: OTHER:</p>
<p>SYSTEMS SOFTWARE (*)</p>	<p>SOFTWARE LANGUAGES (*)</p>
<p>ASSEMBLER MACRO ASSEM DISK MONITOR REAL TIME MNTR T/S MONITOR BATCH MONITOR DATA BASE SYS OTHER:</p>	<p>APL ALGOL SINGLE BASIC MULTI BASIC COBOL FORTRAN PLI RPG OTHER:</p>
<p>PRICES</p>	<p>MARKETING</p>
<p>COMPUTER: \$SEE MFR MEMORY: SYSTEM: \$SEE MFR</p>	<p>MAIN MARKET: UNITS SOLD: MAINTENANCE: ON CALL</p>

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Biscynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE B741 IS A POWERFUL 16-BIT GENERAL PURPOSE DATA PROCESSING MINICOMPUTER. IT FEATURES MULTIPORT MEMORY COMMUNICATIONS - 8 PORTS IN THE BASIC SYSTEM. A CHOICE OF BURROUGHS PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 98K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTB
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD, PW:
 PAPER TAPE RD, PW:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: MICR SORTER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE B1707 IS A MEMBER OF THE BURROUGHS 1700 SERIES OF 24-BIT GENERAL PURPOSE COMPUTERS FOR MANUFACTURING, WHOLESALING, DISTRIBUTION, BANKING, HOSPITAL DATA PROCESSING AND OTHER BUSINESS APPLICATIONS. THE B1707 IS A SPECIALIZED DATA ENTRY SYSTEM INCLUDING AN AE501 AUDIT ENTRY STATION. IT FEATURES VARIABLE MICROPROGRAMMABLE LOGIC, AUTOMATIC MULTIPROGRAMMING, VIRTUAL STORAGE AND BIT-ADDRESSABLE MEMORIES. EXTENSIVE SOFTWARE SUPPORT IS AVAILABLE WITH A LIBRARY OF BUSINESS MANAGEMENT SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 24 TO 64K IC
 CYCLE TIME: .25 USEC
 ADD TIME: 5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: N/A
 INDEX REGISTERS: N/A
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BDME/
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 16K,24K
 REAL TIME MONTR
 T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS 16K,24K
 OTHER: 32K,NDL;49K CANDE; 49K TABS

PRICES

COMPUTER: \$72900, 24K
 MEMORY: \$3000, 16K
 SYSTEM: \$SEE MFR
 INCLUDES B9340 CONSOLE PRINTER; B9480-12 4.6 MB DISK CARTRIDGE DRIVE; B9249-3 160 CPM PRINTER; B9490-25 MAG TAPE CASSETTE; AE501 AUDIT ENTRY STATION.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: B948X-XX, B9484-XX
 FIXED HEAD DISK:
 FLEXIBLE DISK: B9489-16, B9489-17
 MAGNETIC TAPE: B9491-2, B9496-XX
 TAPE CASSETTE: B9490-25
 LINE PRINTER: B9249-XX, B9247-XX
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X-XX, B9212
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: B9348-31
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 MULTI BASIC
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE B1709 IS A MEMBER OF THE BURROUGHS B1700 SERIES OF 24-BIT GENERAL PURPOSE COMPUTERS FOR MANUFACTURING, WHOLESALING, DISTRIBUTION, BANKING, HOSPITAL DATA PROCESSING AND OTHER BUSINESS APPLICATIONS. THE B1709 IS A DIRECT DATA ENTRY SYSTEM. IT FEATURES VARIABLE MICROPROGRAMMABLE LOGIC, AUTOMATIC MULTIPROGRAMMING, VIRTUAL STORAGE AND BIT-ADDRESSABLE MEMORIES. EXTENSIVE SOFTWARE SUPPORT IS AVAILABLE WITH A LIBRARY OF BUSINESS MANAGEMENT SYSTEMS. ADD TIME, THE INSTRUCTION SET, ACCUMULATORS, AND PROCESSOR FEATURES ARE DETERMINED BY MICROPROGRAM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 49 TO 64K IC
 CYCLE TIME: .25 USEC
 ADD TIME: 5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: N/A
 INDEX REGISTERS: N/A
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BDNE/
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR 16K,24K
- REAL TIME MNTOR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS 16K,24K
- OTHER: 32K,NDL,49K CANDE,49 TABS

PRICES

COMPUTER: \$77900, 49K
 MEMORY: \$3000, 16K
 SYSTEM: \$SEE MFR

INCLUDES B9340 CONSOLE PRINTER; B9480-12 4.6 MB DISK CARTRIDGE DRIVE; B9249-2 160 LPM LINE PRINTER; (2) TD833 OR (2) TD733 TERMINAL DISPLAYS.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B948X-XX, B9484-XX
 FIXED HEAD DISK:
 FLEXIBLE DISK: 9489-16, B9489-17
 MAGNETIC TAPE: 96-XX, B9495-XX
 TAPE CASSETTE: 7-25
 LINE PRINTER: B9 7-XX, B9247-XX
 SERIAL PRINTER: N/A
 CARD RD,PN: B911X-XX, B9212
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: B9348-31
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- MULTI BASIC
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 B9249-2 160 LPM LINE PRINTER; (2) TD833 OR (2) TD733 TERMINAL DISPLAYS.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE B1712 IS A MEMBER OF THE BURROUGHS 1700 SERIES OF GENERAL PURPOSE MINICOMPUTERS FOR MANUFACTURING, WHOLESALING, DISTRIBUTION, BANKING, HOSPITAL DATA PROCESSING AND OTHER BUSINESS APPLICATIONS. THE B1712 FEATURES VARIABLE MICROPROGRAMMABLE LOGIC, AUTOMATIC MULTIPROGRAMMING, VIRTUAL STORAGE AND BIT-ADDRESSABLE MEMORIES. EXTENSIVE SOFTWARE SUPPORT IS AVAILABLE WITH A LIBRARY OF BUSINESS MANAGEMENT SYSTEMS. THE ADD TIME, INSTRUCTION SET, ACCUMULATORS, INDEX REGISTER AND PROCESSOR FEATURES ARE DETERMINED BY MICROPROGRAM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: VAR BITS
 MEMORY: 16 TO 64K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1):
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 16K,24K
 REAL TIME HWTR
 T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS 16K,24K
 OTHER: 32K, NDL

PRICES

COMPUTER: \$SEE MFR, 16K
 MEMORY: \$17000, 16K
 SYSTEM: \$70800, 16K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: A/B948X-2
 FIXED HEAD DISK:
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: A/B9381-1X,A/B9491-2
 TAPE CASSETTE: A/B9490-25
 LINE PRINTER: A9249-X,A/B9247-X
 SERIAL PRINTER: N/A
 CARD RD,PN: A/B911X;A9210-1
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 MULTI BASIC
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE B1713 IS A MEMBER OF THE BURROUGHS B1700 SERIES OF 24-BIT GENERAL PURPOSE COMPUTERS FOR MANUFACTURING, WHOLESALING, DISTRIBUTION, BANKING, HOSPITAL DATA PROCESSING AND OTHER BUSINESS APPLICATIONS. THE B1713 IS A MICR ENTRY SYSTEM FOR REMOTE CHECK PROCESSING AND REMOTE REPORT PRINTING. THE B1713 FEATURES VARIABLE MICROPROGRAMMABLE LOGIC, AUTOMATIC MULTIPROGRAMMING, VIRTUAL STORAGE AND BIT-ADDRESSABLE MEMORIES. EXTENSIVE SOFTWARE SUPPORT IS AVAILABLE WITH A LIBRARY OF BUSINESS MANAGEMENT SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 49 TO 64K 1C
 CYCLE TIME: .25 USEC
 ADD TIME: 5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: N/A
 INDEX REGISTERS: N/A
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BDME/
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 16K,24K
 REAL TIME MNTR
 T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS 16K,24K
 OTHER: 32K,NDL;49K CANDE; 49K TABS

PRICES

COMPUTER: \$102320, 49K
 MEMORY: \$3000, 16K
 SYSTEM: \$5EE MFR

INCLUDES B9340 CONSOLE PRINTER; B9115 300 CPM 80-COLUMN CARD READER; 250 LPM LINE PRINTER; B9480-12 4.6 MB DISK CARTRIDGE DRIVE; B9135-2 READER SORTER; B1351 SINGLE LINE CONTROL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B948X-IX, B9484-XX
 FIXED HEAD DISK:
 FLEXIBLE DISK: B9489-16, B9489-17
 MAGNETIC TAPE: B9491-2, B9495-XX
 TAPE CASSETTE: A/B9490-25
 LINE PRINTER: B9247-XX, B9249-XX
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X-XX, B9212
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: B9348-31
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 MULTI BASIC
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisyynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1972, THE B1714 IS A MEMBER OF THE BURROUGHS 1700 SERIES OF GENERAL PURPOSE MINICOMPUTERS FOR MANUFACTURING, WHOLESALING, DISTRIBUTION, BANKING, HOSPITAL DATA PROCESSING AND OTHER BUSINESS APPLICATIONS. ADD TIME, INSTRUCTION SET, ACCUMULATORS, INDEX REGISTER AND PROCESSOR FEATURES ARE DETERMINED BY MICROPROGRAM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: VAR BITS
 MEMORY: 16 TO 64K
 CYCLE TIME: 1/2 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1):
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR 16K,24K
- REAL TIME MTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS 16K,24K
- OTHER: 40K, NDL

PRICES

COMPUTER: \$SEE MFR, 16K
 MEMORY:
 SYSTEM: \$70800, 16K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: A/B948X-2
 FIXED HEAD DISK:
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: A/B9381-IX,A/B9491-2
 TAPE CASSETTE: A/B9490-25
 LINE PRINTER: A9249-X,A/B9247-I
 SERIAL PRINTER: N/A
 CARD RD,PN: A/B911X;A9210-1
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- MULTI BASIC
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1972, THE B1718 IS A MEMBER OF THE BURROUGHS 1700 SERIES OF GENERAL PURPOSE MINICOMPUTERS FOR MANUFACTURING, WHOLESALING, DISTRIBUTION, BANKING, HOSPITAL DATA PROCESSING AND OTHER BUSINESS APPLICATIONS. THE B1718 HAS A GREATER NUMBER OF I/O SLOTS, A LARGER MINIMUM MEMORY, AND THE ABILITY TO HANDLE A MORE EXTENSIVE RANGE OF PERIPHERALS THAN THE B1714. ADD TIME, INSTRUCTION SET, ACCUMULATORS, INDEX REGISTER AND PROCESSOR FEATURES ARE DETERMINED BY MICROPROGRAM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: VAR BITS
 MEMORY: 16 TO 64K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1):
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS: 8/10

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 16K,24K
 REAL TIME MNTN
 T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS 16K,24K
 OTHER: 32K, MDL

PRICES

COMPUTER: \$SEE MFR, 16K
 MEMORY:
 SYSTEM: \$70800, 16K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 1/B948X-2
 FIXED HEAD DISK: 9370-3
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: A/B9381-XX,A/B9491-2
 TAPE CASSETTE: A/B9490-25
 LINE PRINTER: A9249-X,A/B9247-X
 SERIAL PRINTER: N/A
 CARD RD,PN: A/B911X;A9210-1
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 MULTI BASIC
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE B1720-1 IS ONE OF THE TOP MEMBERS OF THE BURROUGHS B1700 SERIES OF 24-BIT GENERAL PURPOSE BUSINESS COMPUTERS. LIKE OTHER MEMBERS OF THE B1700 SERIES, THE B1720-1 OFFERS AUTOMATIC MULTIPROGRAMMING, VIRTUAL MEMORY AND EXTENSIVE SOFTWARE SUPPORT. IT ALSO FEATURES HIGH SPEED CONTROL MEMORY USED SOLELY FOR STORING MICROPROGRAMS, FASTER MAIN MEMORY CYCLE TIMES, TWICE THE MAIN MEMORY CAPACITY, AND FASTER I/O SPEEDS. THE B1720-1 IS PACKAGED SPECIFICALLY AS A DATA COMMUNICATIONS PROCESSOR.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 256K MOS
 CYCLE TIME: .167 USEC
 ADD TIME: 3.333 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: N/A
 INDEX REGISTERS: N/A
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 16K, 24K
 REAL TIME MNT
 T/S MONITOR
 * BATCH MONITOR 16K,24K
 * DATA BASE SYS
 OTHER: 32K MDL; 32K UPL; 49K CANDE

PRICES

COMPUTER: \$141176, 98K
 MEMORY: \$5000, 32K
 SYSTEM: \$SEE MFR

BASIC SYSTEM INCLUDES B9340 CONSOLE PRINTER; B9247-12 400 LPM LINE PRINTER, B9499-8 7.2 MB DISK PACK WITH CONTROLLER; B1351 SINGLE LINE CONTROL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B948X-XX, B9484-XX
 FIXED HEAD DISK: B9371-7, B9371-14
 FLEXIBLE DISK: B9489-16, B9489-17
 MAGNETIC TAPE: B9491-2, B9495-XX
 TAPE CASSETTE: B9490-25
 LINE PRINTER: B9249-3, B9247-X
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9348-32
 MULTIPLEXOR: ASYM, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 MULTI BASIC
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE B1724 IS ONE OF THE TOP MEMBERS OF THE BURROUGHS 1700 SERIES 24-BIT GENERAL PURPOSE BUSINESS COMPUTERS. LIKE OTHER MEMBERS OF THE 1700 SERIES, THE B1724 OFFERS AUTOMATIC MULTIPROGRAMMING, VIRTUAL MEMORY, AND EXTENSIVE SOFTWARE SUPPORT. IT ALSO FEATURES HIGH SPEED CONTROL MEMORY USED SOLELY FOR STORING MICROPROGRAMS, FASTER MAIN MEMORY CYCLE TIMES, TWICE THE MAIN MEMORY CAPACITY, AND FASTER I/O SPEEDS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 256K MOS
 CYCLE TIME: .167 USEC
 ADD TIME: 3.333 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: N/A
 INDEX REGISTERS: N/A
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR 16K,24K
- REAL TIME MONTR
- T/S MONITOR
- * BATCH MONITOR 16K,24K
- * DATA BASE SYS
- OTHER: 32K NDL; 32K UPL; 49K CANDE

PRICES

COMPUTER: \$64800, 49K
 MEMORY: \$5000, 32K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B948X-XX, B9484-XX
 FIXED HEAD DISK: B9371-7, B9371-14
 FLEXIBLE DISK: B9489-16, B9489-17
 MAGNETIC TAPE: B9491-2, B9496-XX
 TAPE CASSETTE: B9490-25
 LINE PRINTER: B9249-3, B9247-X
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9346-32
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- MULTI BASIC
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiprot Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1972, THE B1776 IS ONE OF THE TOP MEMBERS OF THE BURROUGHS 1700 SERIES OF GENERAL BUSINESS MINICOMPUTERS. LIKE OTHER MEMBERS OF THE 1700 SERIES, THE B1776 OFFERS AUTOMATIC MULTIPROGRAMMING, VIRTUAL MEMORY AND EXTENSIVE SOFTWARE SUPPORT, BUT IT ALSO FEATURES HIGH SPEED CONTROL MEMORY USED SOLELY FOR STORING MICROPROGRAMS, FASTER MAIN MEMORY CYCLE TIMES, TWICE THE MAIN MEMORY CAPACITY, AND FASTER I/O SPEEDS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: VAR BITS
 MEMORY: 48 TO 256K MOS
 CYCLE TIME: .667 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1):
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 16K,24K
 REAL TIME MNTNR
 T/S MONITOR
 * BATCH MONITOR 16K,24K
 * DATA BASE SYS
 OTHER: NDL (40K), UPL (32K)

PRICES

COMPUTER: \$90000, 48K
 MEMORY: \$6000, 16K
 SYSTEM: \$SEE MFR, 48K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: A/B948X-2
 FIXED HEAD DISK: B9371-7, B9371-14
 FLEXIBLE DISK: B9489-15, 16, 17, 18
 MAGNETIC TAPE: A/B9381-XX, 9X, 49X
 TAPE CASSETTE: A/B9490-25
 LINE PRINTER: B9249-3, A/B9247-X
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348-32
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 MULTI BASIC
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER: UPL, NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE B1830 IS A GENERAL PURPOSE MINICOMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE B1830 FEATURES AUTOMATIC MULTIPROGRAMMING, A CACHE MEMORY, VIRTUAL MEMORY, AND EXTENSIVE SOFTWARE SUPPORT INCLUDING MANY BUSINESS MANAGEMENT SYSTEMS. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 256K N MOS
 CYCLE TIME: .200 USEC
 ADD TIME: 4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR 16K
- REAL TIME MNTN
- T/S MONITOR
- * BATCH MONITOR 16K
- * DATA BASE SYS
- OTHER: HDL (40K), UPL (32K), CANOE (49K)

PRICES

COMPUTER: \$57750, 48K #B1830
 MEMORY: \$1500, 16K
 SYSTEM: \$76000, 48K
 INCLUDES 48KB CPU; B9348-32 CRT W/KEYBOARD.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B948-XX, B9484-XX
 FIXED HEAD DISK: B9371-7, B9371-14
 FLEXIBLE DISK: B9489-16, B9489-17
 MAGNETIC TAPE: B9491-2, B9495-XX
 TAPE CASSETTE: B9490-25
 LINE PRINTER: B9249-3, B9247-X
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: B9348-32
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- MULTI BASIC
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE B1860 IS A GENERAL PURPOSE MINICOMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE B1860 FEATURES AUTOMATIC MULTIPROGRAMMING, A CACHE MEMORY, VIRTUAL MEMORY, AND EXTENSIVE SOFTWARE SUPPORT INCLUDING MANY BUSINESS MANAGEMENT SYSTEMS. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 64 TO 384K NMOS
 CYCLE TIME: .167 USEC
 ADD TIME: 3.333 USEC
 CACHE MEMORY: 4KB, 167NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: N/A
 INDEX REGISTERS: N/A
 I/O COMMUNICATIONS (2): /ABDMST
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 16K
 REAL TIME MNTR
 T/S MONITOR
 * BATCH MONITOR 16K
 * DATA BASE SYS
 OTHER: NDL (32K), CANDE (48K), TABS (49K)

PRICES

COMPUTER: \$100000, 65K
 MEMORY: \$3000, 32K
 SYSTEM: \$125000, 64K
 INCLUDES 64KB CPU; B9348-32 CRT W/KEYBOARD.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B948X-XX, B9484-XX
 FIXED HEAD DISK:
 FLEXIBLE DISK: B9489-16, B9489-17
 MAGNETIC TAPE: B9491-2, B9495-XX
 TAPE CASSETTE: B9490-25
 LINE PRINTER: B9247-XX
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: B9348-32
 MULTIPLEXOR: ASN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 MULTI BASIC
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE B1870 IS A GENERAL PURPOSE MINICOMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE B1870 FEATURES AUTOMATIC MULTIPROGRAMMING, A CACHE MEMORY, VIRTUAL MEMORY, AND EXTENSIVE SOFTWARE SUPPORT INCLUDING MANY BUSINESS MANAGEMENT SYSTEMS. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 96 TO 512K MWORDS
 CYCLE TIME: .167 USEC
 ADD TIME: 3.333 USEC
 CACHE MEMORY: 4KB, 167NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /ABDMST
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): EK/
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR 16K
- REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR 16K
- * DATA BASE SYS
- OTHER: NDL (32K), CANOE (49K), TABS (49K)

PRICES

COMPUTER: \$144000, 98K
 MEMORY: \$3000, 32K
 SYSTEM: \$180000, 96K
 INCLUDES 96KB CPU; 9348-32 CRT W/KEYBOARD (5.9HB).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9484-XX, B948X-XX
 FIXED HEAD DISK: B9470-2
 FLEXIBLE DISK: B9489-16, B9489-17
 MAGNETIC TAPE: B9491-2, B9495-XX
 TAPE CASSETTE: B9490-25
 LINE PRINTER: B9249-3, B9247-X
 SERIAL PRINTER: N/A
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: B9348-32
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- MULTI BASIC
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE B2771-1 IS A GENERAL PURPOSE COMPUTER USED FOR BUSINESS APPLICATIONS. IT IS THE ONLY MODEL OF THE 2700 SERIES STILL ACTIVELY MARKETED. FEATURES INCLUDE FILE PROTECT MEMORY WHICH IS ALSO AVAILABLE WITH THE 3700 AND 4700 SERIES, A COMMUNICATIONS PROCESSOR AND MULTIPROGRAMMING. SOFTWARE SUPPORT INCLUDES COBOL AND RPG COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE INCLUDING REMOTE TERMINALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 60 TO 300K CORE
 CYCLE TIME: .5 USEC
 ADD TIME: 37.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 52
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: 0
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MICRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME MNTR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$177745, 60K
 MEMORY: \$14100, 30K
 SYSTEM: \$259795, 60K
 INCLUDES 60K CPU W/DISK (8MB); 2-40KB MAGNETIC TAPE; LINE PRINTER (400 LPM);
 CARD READER (300 CFM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X-3/4
 FIXED HEAD DISK: B9371-1X, B9373-3
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9340
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: MICR, OCR

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE B3721 IS A GENERAL PURPOSE COMPUTER USED FOR BANKING AND BUSINESS APPLICATIONS. THE BASIC SYSTEM INCLUDES A CPU AND AN I/O CHANNEL. STANDARD FEATURES INCLUDE MEMORY PARITY, VIRTUAL MEMORY, A .5 USEC CYCLE TIME, AND A VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE MASTER CONTROL PROGRAM (MCP) AVAILABLE WITH ALL BURROUGHS MAINFRAMES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 100 TO 500K MOS
 CYCLE TIME: .5 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS:
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 1.5/3.0MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME MNTR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$92440, 100K
 MEMORY: \$15000, 50K
 SYSTEM: \$233340, 100K
 INCLUDES 100K CPU; DISK (8MB); 2-80KB MAGNETIC TAPE DRIVES; LINE PRINTER (400 LPM); CARD READER (300 CPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X,948X-3/4
 FIXED HEAD DISK: B9371-1X,B9373-3
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B939X,B949X-X,B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9346-2
 CARD RD,PN: B911X,B921X
 PAPER TAPE RD,PN: B9120,B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: MICR,OCR

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: BPL, NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE B2803 IS A GENERAL PURPOSE COMPUTER USED FOR BANKING AND BUSINESS APPLICATIONS. THE BASIC SYSTEM INCLUDES A CPU WITH 8 I/O CHANNELS. STANDARD FEATURES INCLUDE MEMORY PARITY, VIRTUAL MEMORY, A .33 USEC CYCLE TIME, AND A VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE MASTER CONTROL PROGRAM (MCP) AVAILABLE WITH ALL BURROUGHS MAINFRAMES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 100 TO 500K MOS
 CYCLE TIME: .33 USEC
 ADD TIME: 34/23 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDM/F
 ACCUMULATORS:
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 1.5/3.0MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME HWTR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$139220, 100K
 MEMORY: \$15000, 50K
 SYSTEM: \$280120, 100K
 INCLUDES 100K CPU; DISK (8MB); 2-80KB MAG TAPE; LINE PRINTER (400 LPH); CARD
 READER (300 CPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: B938X,948X-3/4
 FIXED HEAD DISK: B9371-1X,B9373-3
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B939X,B949X-X,B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9346-2
 CARD RD,PN: B911X;B921X
 PAPER TAPE RD,PN: B9120;B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: MICR,OCR

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE B2803-2 IS A GENERAL PURPOSE COMPUTER USED FOR BANKING AND BUSINESS APPLICATIONS. THE BASIC SYSTEM INCLUDES TWO CPUS WITH 18 I/O CHANNELS. STANDARD FEATURES INCLUDE MEMORY PARITY, VIRTUAL MEMORY, A .33 USEC CYCLE TIME, AND A VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE MASTER CONTROL PROGRAM (MCP) AVAILABLE WITH ALL BURROUGHS MAINFRAMES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 100 TO 500K MOS
 CYCLE TIME: .33 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS:
 INDEX REGISTERS: 6
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 3-6MB
 PROCESSOR FEATURES (3): BCRMEK/
 INTERFACE SLOTS: 40

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR MCP
 - * REAL TIME MNTR
 - * T/S MONITOR MCP
 - * BATCH MONITOR MCP
 - * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$344940, 200K
 MEMORY: \$150000, 50K
 SYSTEM: \$499715, 200K, #B3772
 INCLUDES 100K CPU; DISK (8MB); 2-80KB MAG TAPE; LINE PRINTER (400 LPM); CARD READER (300 CPM); 2 CRT'S.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X,948X-3/4
 FIXED HEAD DISK: B9371-1X,B9373-3
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B939X,B949X-X,B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9346-2
 CARD RD,PN: B911X;B921X
 PAPER TAPE RD,PN: B9120;B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: MICR,OCR

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 INCLUDES 100K CPU; DISK (8MB); 2-80KB MAG TAPE; LINE PRINTER (400 LPM); CARD READER (300 CPM); 2 CRT'S.

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiprot Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE BURROUGHS B2810 IS A 16-BIT MEDIUM-SCALE COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. EACH CHANNEL IN THE I/O SUBSYSTEM HAS A DATA LINK PROCESSOR WHICH MINIMIZES BURDEN ON THE CENTRAL SYSTEM. LARGE DATA BASES AND MULTIPLE TERMINAL DEVICES CAN BE HANDLED SIMULTANEOUSLY. A CHOICE OF BURROUGHS PERIPHERALS IS AVAILABLE.

<p>APPLICATION (*)</p> <ul style="list-style-type: none"> * BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC * ENGINEERING/COMPUTATION * EDUCATIONAL SYSTEM * BANKING SYSTEM * DATA ENTRY SYSTEM <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 62.5 BITS MEMORY: 250K CYCLE TIME: .50 USEC ADD TIME: CACHE MEMORY: # OF INSTRUCTIONS: 83 INSTRUCTION TYPES (1): BDMIF ACCUMULATORS: INDEX REGISTERS: 3 I/O COMMUNICATIONS (2): /ABST I/O TRANSFER RATE: 3.0MB PROCESSOR FEATURES (3): BCRNEK/ INTERFACE SLOTS: 24</p> <p>SYSTEMS SOFTWARE (*)</p> <ul style="list-style-type: none"> * ASSEMBLER * MACRO ASSEM * DISK MONITOR * REAL TIME MNTR * T/S MONITOR * BATCH MONITOR * DATA BASE SYS <p>OTHER: TABS, MCS GENERATOR</p> <p>PRICES</p> <p>COMPUTER: \$127400, 125K MEMORY: \$13700, 125K SYSTEM: \$152860, 125K INCLUDES 125K MEMORY; 130MB DISK DRIVE; 2 MAGNETIC TAPE UNITS (80 KB); CARD READER; LINE PRINTER; CRT.</p>	<p>FEATURES (*)</p> <ul style="list-style-type: none"> * UPWARD COMPATIBLE * FIELD SERVICE * APPLICATION SOFTWARE * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE * VIRTUAL MEMORY MACHINE * MULTIPROCESSOR <p>PERIPHERALS (Model #, Specs. N/A)</p> <p>REMOVABLE DISK: B938X, B948X FIXED HEAD DISK: B9470, B9371, B9373 FLEXIBLE DISK: B9489 MAGNETIC TAPE: B949X TAPE CASSETTE: N/A LINE PRINTER: B924X SERIAL PRINTER: B9346-2 CARD RD, PN: B911X, B921X PAPER TAPE RD, PN: B9120, B9220 DISPLAY TERMINAL: B9348 MULTIPLEXOR: N/A TERMINALS/SYSTEM: OTHER:</p> <p>SOFTWARE LANGUAGES (*)</p> <ul style="list-style-type: none"> APL ALGOL * SINGLE BASIC * MULTI BASIC * COBOL * FORTRAN PL.1 * RPG <p>OTHER:</p> <p>MARKETING</p> <p>MAIN MARKET: END USER UNITS SOLD: MAINTENANCE: ON CALL</p>
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(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE B2185 IS A LARGE-SCALE, HIGH-SPEED, 16-BIT COMPUTER SYSTEM. IT HAS MULTIPROGRAMMING CAPABILITIES AND IS UPWARD COMPATIBLE. EACH CHANNEL IN THE I/O SUBSYSTEM HAS A DATA LINK PROCESSOR TO ENABLE I/O INSTRUCTION EXECUTION INDEPENDENT OF THE CPU. THE SYSTEM SOFTWARE HAS TABS AND MCS GENERATOR OPERATING SYSTEMS. A CHOICE OF BURROUGHS PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 125 TO 500K
 CYCLE TIME: .33 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS: 83
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS:
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 3.0MB
 PROCESSOR FEATURES (3): BCDRNEK/
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME NMTB
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$172200, 125K
 MEMORY: \$13700, 125K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9470, B9371, B9373
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B949X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X
 SERIAL PRINTER: B9346-2
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE BURROUGHS 3834 IS A MEDIUM-SCALE COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE B3834 BASIC SYSTEM HAS A CENTRAL PROCESSOR WITH A CYCLE TIME OF 253 NANOSECONDS. THE I/O SUBSYSTEM UTILIZES DATA LINK PROCESSORS WHICH HANDLE I/O FUNCTIONS FOR THE CPU AND CAN ACCESS MEMORY DIRECTLY. THE B3834 PROCESSOR USES A BURROUGHS-DEVELOPED LSI CIRCUITRY CALLED BURROUGHS CURRENT MODEL LOGIC (BCML) AND IS SOFTWARE COMPATIBLE WITH THE COMPARABLE BURROUGHS 700 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 100 TO 500K MOS
 CYCLE TIME: .25 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 83
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: N/A
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): BCDBMEK/
 INTERFACE SLOTS: 32

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MWTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS DMS-II
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$219560, 100K
 MEMORY: \$16560, 50K
 SYSTEM: \$367335, 100K
 INCLUDES 100K CPU; DISK (130MB); TWO MAGNETIC TAPE DRIVES (80KB); CARD READER (600 CPM); LINE PRINTER (750 LPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9470, B9371, B9373
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B949X, B939X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X
 SERIAL PRINTER: B9346-2
 CARD RD, PW: B911X, B921X
 PAPER TAPE RD, PW: B9120, B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEMS:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE BURROUGHS B3834-2 IS A MEDIUM-SCALE COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE B3834-2 BASIC SYSTEM HAS 2 CENTRAL PROCESSORS AND 2 I/O SUBSYSTEMS, AND FEATURES FILE PROTECT MEMORY AND A CPU CYCLE TIME OF 250 NANoseconds. THE I/O SUBSYSTEM UTILIZES DATA LINK PROCESSORS WHICH HANDLE I/O FUNCTIONS FOR THE CPUS AND CAN ACCESS MEMORY DIRECTLY. THE B3834-2 PROCESSOR USES A BURROUGHS DEVELOPED LSI CIRCUITRY CALLED BURROUGHS CURRENT MODE LOGIC (BCML) AND IS SOFTWARE COMPATIBLE WITH THE COMPARABLE BURROUGHS 700 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 200 TO 1000K MOS
 CYCLE TIME: .25 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 83
 INSTRUCTION TYPES (1): BDM/F
 ACCUMULATORS: N/A
 INDEX REGISTERS: 3/6
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4/8MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 32/64

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS DHS-II
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$457570, 200K
 MEMORY: \$16560, 50K
 SYSTEM: \$615605, 200K
 INCLUDES 100K CPU; DISK (130MB); TWO MAGNETIC TAPE DRIVES (80KB); CARD READER (600 CPM); LINE PRINTER (750 LPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9470, B9371, B9373
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B949X, B939X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X
 SERIAL PRINTER: B9346-2
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE B3835 IS A MEDIUM-SCALE COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE BASIC SYSTEM HAS A CENTRAL PROCESSOR AND AN I/O SUBSYSTEM WHICH UTILIZES DATA LINK PROCESSORS, WHICH HANDLE I/O FUNCTIONS FOR THE CPU AND CAN ACCESS MEMORY DIRECTLY. THE B3835 PROCESSOR USES A BURROUGHS-DEVELOPED LSI CIRCUITRY CALLED BURROUGHS CURRENT MODE LOGIC (BCML) AND IS SOFTWARE COMPATIBLE WITH THE COMPARABLE BURROUGHS 700 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 500 TO 1000K MOS
 CYCLE TIME: .33 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 83
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS:
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BCDPRMEX/
 INTERFACE SLOTS: 16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS DMS-II
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$305800, 500K
 MEMORY: \$28000, 250K
 SYSTEM: \$453575, 500K
 INCLUDES 500K CPU; DISK SUBSYSTEM, (130MB); 2 MAGNETIC TAPE DRIVES (80KB); CARD READER (600 CPM); LINE PRINTER (750 LPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: B9387, B9384
 FIXED HEAD DISK: B9470
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B9495-X, B9496-X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X
 SERIAL PRINTER: B9346
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: OCR, MICR

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE B4771 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE BASIC B4771 SYSTEM INCLUDES A CPU WITH 8 I/O CHANNELS. FEATURES INCLUDE MULTIPROGRAMMING, A COMMUNICATIONS PROCESSOR AND DECIMAL ARITHMETIC HARDWARE. SOFTWARE SUPPORT INCLUDES BUSINESS APPLICATIONS PACKAGES AND AN RPG COMPILER. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 150 TO 500K MOS
 CYCLE TIME: .25 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: N/A
 INDEX REGISTERS: 3/6/9/12
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4-16MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20/80

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME MNTR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$333310, 150K
 MEMORY: \$29105, 50K
 SYSTEM: \$468530, 150K
 INCLUDES 150K CPU; DISK (8MB); 2-80KB MAGNETIC TAPE; LINE PRINTER (400 LPM);
 CARD READER (300 CPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9371, B9373
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9340
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: BPL, NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1973, THE B4781 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE BASIC B4781 SYSTEM INCLUDES A CPU WITH 10 I/O CHANNELS. FEATURES INCLUDE FILE PROTECT MEMORY, MULTIPROGRAMMING, A COMMUNICATIONS PROCESSOR AND DECIMAL ARITHMETIC HARDWARE. SOFTWARE SUPPORT INCLUDES BUSINESS APPLICATIONS PACKAGES AND AN RPG COMPILER. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 150 TO 500K MOS
 CYCLE TIME: .25 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: N/A
 INDEX REGISTERS: 3/6/9/12
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4-16MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20/80

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEMBLER
 - * DISK MONITOR MCP
 - * REAL TIME MONITOR
 - * T/S MONITOR MCP
 - * BATCH MONITOR MCP
 - * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$407930, 150K
 MEMORY: \$29105, 50K
 SYSTEM: \$543150, 150K
 INCLUDES 150K CPU; DISK (8MB); 2-80KB MAGNETIC TAPE DRIVES; LINE PRINTER (400 LPM); CARD READER (300 CPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9371, B9373
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-I
 SERIAL PRINTER: B9340
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: BPL, NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE B4782 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE BASIC B4782 SYSTEM INCLUDES TWO CPUS WITH 16 I/O CHANNELS. FEATURES INCLUDE FILE PROTECT MEMORY, MULTIPROGRAMMING, A COMMUNICATIONS PROCESSOR AND DECIMAL ARITHMETIC HARDWARE. SOFTWARE SUPPORT INCLUDES BUSINESS APPLICATIONS PACKAGES AND AN RPG COMPILER. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 150 TO 1000K MOS
 CYCLE TIME: .25 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDIH/F
 ACCUMULATORS: N/A
 INDEX REGISTERS: 3/6/9/12
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4-16MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20/80

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME MNTR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$625360, 300K
 MEMORY: \$29105, 50K
 SYSTEM: \$774745, 300K
 INCLUDES 300K CPU; DISK (8MB); 2-80KB MAGNETIC TAPE DRIVES; LINE PRINTER (400 LPM); CARD READER (300 CPM); 2-CRTS.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9371, B9373
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9340
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: BPL, NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE B4783 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE BASIC B4783 SYSTEM INCLUDES THREE CPUS WITH 26 I/O CHANNELS. FEATURES INCLUDE FILE PROTECT MEMORY, MULTIPROGRAMMING, A COMMUNICATIONS PROCESSOR AND DECIMAL ARITHMETIC HARDWARE. SOFTWARE SUPPORT INCLUDES BUSINESS APPLICATIONS PACKAGES AND AN RPG COMPILER. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 150 TO 1500K MOS
 CYCLE TIME: .25 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDM/F
 ACCUMULATORS: N/A
 INDEX REGISTERS: 3/6/9
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4-16MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20/40

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR MCP
 - * REAL TIME MNTR
 - * T/S MONITOR MCP
 - * BATCH MONITOR MCP
 - * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$9780 30, 300K
 MEMORY:
 SYSTEM: \$SEE MFR, 300K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9371, B9373
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9340
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
PL1
 - * RPG
- OTHER: BPL, NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE 4784 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS APPLICATIONS. THE BASIC 4784 SYSTEM INCLUDES FOUR CPUS WITH 34 I/O CHANNELS. FEATURES INCLUDE FILE PROTECT MEMORY, MULTIPROGRAMMING, A COMMUNICATIONS PROCESSOR AND DECIMAL ARITHMETIC HARDWARE. SOFTWARE SUPPORT INCLUDES BUSINESS APPLICATIONS PACKAGES AND AN RPG COMPILER. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 150 TO 2000K MOS
 CYCLE TIME: .25 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: N/A
 INDEX REGISTERS: 3/6/9/12
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4-16MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20/80

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR MCP
 - * REAL TIME MNTR
 - * T/S MONITOR MCP
 - * BATCH MONITOR MCP
 - * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$1330705, 300K
 MEMORY:
 SYSTEM: \$SEE MFR, 300K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B938X, B948X
 FIXED HEAD DISK: B9371, B9373
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X-X
 SERIAL PRINTER: B9340
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348-2
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
PL1
 - * RPG
- OTHER: BPL, NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Biscynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN LATE 1975, THE BURROUGHS B4840 IS A MEDIUM-SCALE COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE B4840 BASIC SYSTEM HAS ONE CENTRAL PROCESSOR AND ONE I/O SUBSYSTEM, AND FEATURES A CPU CYCLE TIME OF 125 NANOSECONDS. THE I/O SUBSYSTEM UTILIZES DATA LINK PROCESSORS WHICH HANDLE I/O FUNCTIONS FOR THE CPU AND CAN ACCESS MEMORY DIRECTLY. THE B4840 PROCESSOR USES A BURROUGHS-DEVELOPED LSI CIRCUITRY CALLED BURROUGHS CURRENT MODE LOGIC (BCML) AND IS SOFTWARE COMPATIBLE WITH THE COMPARABLE BURROUGHS 700 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 200 TO 1000K BIPOLAR
 CYCLE TIME: .125 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 83
 INSTRUCTION TYPES (1): BDM/P
 ACCUMULATORS:
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDPRMEK/
 INTERFACE SLOTS: 64

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$371600, 200K
 MEMORY: \$40000, 100K
 SYSTEM: \$519375, 200K
 INCLUDES 200K CPU; DISK PACK (130MB); TWO H. TAPE DRIVES (80KB EACH); CARD READER (800 CPM); PRINTER (750 LPM); CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9387, B9384
 FIXED HEAD DISK: B9470
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B9495-X, B9496-X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X
 SERIAL PRINTER: B9346
 CARD RD, PM: B911X, B921X
 PAPER TAPE RD, PM: B9120, B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1975, THE BURROUGHS B4841 IS A MEDIUM-SCALE COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE B4841 BASIC SYSTEM HAS A CENTRAL PROCESSOR AND AN I/O SUBSYSTEM, INCLUDES FILE PROTECT MEMORY AND A CPU CYCLE TIME OF 125 NANOSECONDS. THE I/O SUBSYSTEM UTILIZES DATA LINK PROCESSORS WHICH HANDLE I/O FUNCTIONS FOR THE CPU AND CAN ACCESS MEMORY DIRECTLY. THE B4841 PROCESSOR USES A BURROUGHS-DEVELOPED LSI CIRCUITRY CALLED BURROUGHS CURRENT MODE LOGIC (BCML) AND IS SOFTWARE COMPATIBLE WITH THE COMPARABLE BURROUGHS 700 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 200 TO 1000K BIPOLAR
 CYCLE TIME: .125 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 83
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS:
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDPRMEK/
 INTERFACE SLOTS: 64

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$410600, 200K
 MEMORY: \$40000, 100K
 SYSTEM: \$558375, 200K
 INCLUDES 200K CPU; DISK PACK (130MB); TWO M. TAPE DRIVES (80KB EACH); CARD READER (600 CPN); PRINTER (750 LPM); CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9387, B9384
 FIXED HEAD DISK: B9470
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B9495-X, B9496-X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X
 SERIAL PRINTER: B9346
 CARD RD, PN: B911X; B921X
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE BURROUGHS B4842 MODEL IS A MEDIUM-SCALE COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE B4842 BASIC SYSTEM HAS TWO CENTRAL PROCESSORS, TWO I/O SUBSYSTEMS, AND FEATURES FILE PROTECT MEMORY PLUS A CPU CYCLE TIME OF 125 NANOSECONDS. THE I/O SUBSYSTEMS UTILIZE DATA LINK PROCESSORS WHICH HANDLE I/O FUNCTIONS FOR THE CPU'S AND CAN ACCESS MEMORY DIRECTLY. THE B4842 PROCESSORS USE A BURROUGHS-DEVELOPED LSI CIRCUITRY CALLED BURROUGHS CURRENT MODE LOGIC (BCML) AND ARE SOFTWARE COMPATIBLE WITH THE COMPATIBLE BURROUGHS 700 SYSTEMS.

APPLICATIONS (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 200 TO 2000K BIPOLAR
 CYCLE TIME: .125 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 83
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS:
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDFRHEK/
 INTERFACE SLOTS: 128

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: TABS, MCS GENERATOR

PRICES

COMPUTER: \$689400, 400K
 MEMORY: \$40000, 100K
 SYSTEM: \$847435, 400K
 INCLUDES TWO 200K CPU'S; DISK PACK (130MB); TWO MAGNETIC TAPE DRIVES (80KB EACH); CARD READER (600 LPM); PRINTER (750 LPM); 2-CRTS.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9387, B9384
 FIXED HEAD DISK: B9470
 FLEXIBLE DISK: B9489
 MAGNETIC TAPE: B9495-X, B9496-X
 TAPE CASSETTE: N/A
 LINE PRINTER: B924X
 SERIAL PRINTER: B9346
 CARD RD, PN: B911X, B921X
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9348
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

THE BURROUGHS B6738 IS A LARGE-SCALE, MULTIPROGRAMMING COMPUTER USED FOR BUSINESS, SCIENTIFIC, EDUCATIONAL AND COMMUNICATIONS APPLICATIONS. SOFTWARE SUPPORT INCLUDES COMMUNICATIONS SOFTWARE AND THE DMS-II DATA BASE SYSTEM. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 1024K CORE
 CYCLE TIME: .2 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME MNTFR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS DMS-II
- OTHER: NDL

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY:
 SYSTEM: \$SEE MFR, 64K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: B9383-X, B9484-X
 FIXED HEAD DISK: B9372-20, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9213
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM PROC B6358

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: ESPOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

THE BURROUGHS B6746 IS A LARGE-SCALE, MULTIPROGRAMMING COMPUTER USED FOR BUSINESS, SCIENTIFIC, EDUCATIONAL AND COMMUNICATIONS APPLICATIONS. SOFTWARE SUPPORT INCLUDES COMMUNICATIONS SOFTWARE AND THE DMS-II DATA BASE SYSTEM. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 1024K CORE
 CYCLE TIME: .2 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDRHEK/
 INTERFACE SLOTS: 30

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME MNTR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS DMS-II
- OTHER: NDL

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY:
 SYSTEM: \$SEE MFR, 64K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9383-X, B9484-X
 FIXED HEAD DISK: B9372-20, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939Y, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9213
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM PROC B6358

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: ESPOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE B6748 IS A LARGE-SCALE, MULTIPROGRAMMING COMPUTER USED FOR BUSINESS, SCIENTIFIC, EDUCATIONAL AND COMMUNICATIONS APPLICATIONS. THE BASIC B6748 SYSTEM INCLUDES A CPU AND AN I/O PROCESSOR WITH TWELVE DATA SWITCHING CHANNELS. SOFTWARE SUPPORT INCLUDES COMMUNICATIONS SOFTWARE AND THE DMS-II DATA BASE SYSTEM. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt,N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 1024K CORE
 CYCLE TIME: .2 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR MCP
- * REAL TIME MNT
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS DMS-II
- OTHER: NDL

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY:
 SYSTEM: \$SEE MFR, 64K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9383-X, B9484-X
 FIXED HEAD DISK: B9372-20, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9213
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM PROC B6358

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: ESPOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = B-synchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE B6750 IS A LARGE-SCALE, MULTIPROGRAMMING COMPUTER USED FOR BUSINESS, SCIENTIFIC, EDUCATIONAL AND COMMUNICATIONS APPLICATIONS. THE BASIC B6750 SYSTEM INCLUDES TWO CPUS AND AN I/O PROCESSOR WITH TWELVE DATA SWITCHING CHANNELS. SOFTWARE SUPPORT INCLUDES COMMUNICATIONS SOFTWARE AND THE DMS-II DATA BASE SYSTEM. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

<p>APPLICATION (*)</p> <ul style="list-style-type: none"> * BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR <li style="padding-left: 20px;">INDUSTRIAL CONTROL * LABORATORY/SCIENTIFIC * ENGINEERING/COMPUTATION * EDUCATIONAL SYSTEM * BANKING SYSTEM * DATA ENTRY SYSTEM <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 48 BITS MEMORY: 64 TO 1024K CORE CYCLE TIME: .2 USEC ADD TIME: CACHE MEMORY: # OF INSTRUCTIONS: INSTRUCTION TYPES (1): BEFIMS/ ACCUMULATORS: INDEX REGISTERS: I/O COMMUNICATIONS (2): ABDMS/T I/O TRANSFER RATE: 6MB PROCESSOR FEATURES (3): BCDRMEK/ INTERFACE SLOTS: 20</p> <p>SYSTEMS SOFTWARE (*)</p> <ul style="list-style-type: none"> * ASSEMBLER <li style="padding-left: 20px;">MACRO ASSEM * DISK MONITOR MCP * REAL TIME MNTR * T/S MONITOR MCP * BATCH MONITOR MCP * DATA BASE SYS DMS-II <p>OTHER: NDL</p> <p>PRICES</p> <p>COMPUTER: \$SEE MFR, 64K MEMORY: SYSTEM: \$SEE MFR, 64K</p>	<p>FEATURES (*)</p> <ul style="list-style-type: none"> * UPWARD COMPATIBLE * FIELD SERVICE * APPLICATION SOFTWARE * CONVERSATIONAL LANGUAGES <li style="padding-left: 20px;">USER MICROPROGRAMMABLE <li style="padding-left: 20px;">FACTORY MICROPROGRAMMABLE * VIRTUAL MEMORY MACHINE * MULTIPROCESSOR <p>PERIPHERALS (Model #, Specs, N/A)</p> <p>REMOVABLE DISK: B9383-X, B9484-X FIXED HEAD DISK: B9372-20, B9373-XX FLEXIBLE DISK: N/A MAGNETIC TAPE: B939X, B949X-X, B938X TAPE CASSETTE: N/A LINE PRINTER: B9243-11, B9246-2 SERIAL PRINTER: B93350 CARD RD, PN: B911X; B9213 PAPER TAPE RD, PN: B9120; B9220 DISPLAY TERMINAL: B9342-1 MULTIPLEXOR: TERMINALS/SYSTEM: OTHER: DATA COMM PROC B6358</p> <p>SOFTWARE LANGUAGES (*)</p> <ul style="list-style-type: none"> * APL * ALGOL * SINGLE BASIC <li style="padding-left: 20px;">MULTI BASIC * COBOL * FORTRAN * PL 1 <li style="padding-left: 20px;">RPG <p>OTHER: ESPOL</p> <p>MARKETING</p> <p>MAIN MARKET: END USER UNITS SOLD: MAINTENANCE: ON CALL</p>
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(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1970, THE B6760 IS A LARGE-SCALE, MULTIPROGRAMMING COMPUTER USED FOR BUSINESS, SCIENTIFIC, EDUCATIONAL AND COMMUNICATIONS APPLICATIONS. THE BASIC B6760 SYSTEM INCLUDES THREE CPUS AND TWO I/O PROCESSORS WITH TWELVE DATA SWITCHING CHANNELS. SOFTWARE SUPPORT INCLUDES COMMUNICATIONS PROGRAMMING AND THE DMS-II DATA BASE SYSTEM. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 1024K CORE
 CYCLE TIME: .2 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCDRHEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - MACRO ASSEM
 - * DISK MONITOR MCP
 - * REAL TIME MNTR
 - * T/S MONITOR MCP
 - * BATCH MONITOR MCP
 - * DATA BASE SYS DMS-II
- OTHER: NDL

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY:
 SYSTEM: \$SEE MFR, 64K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9383-X, B9484-X
 FIXED HEAD DISK: B9372-20, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9213
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM PROC B6358

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - RPG
- OTHER: ESPOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE BURROUGHS B6803 IS A MEDIUM-SCALE COMPUTER SYSTEM DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE ERROR CORRECTING CORE MEMORY.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: 786 TO 3000K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MONTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$299000
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE BURROUGHS B6805 IS A MEDIUM-SCALE COMPUTER SYSTEM. THE BASIC SYSTEM OFFERS AN OPERATOR CONSOLE WITH TWO DISPLAYS. FEATURES INCLUDE ERROR CORRECTING CORE MEMORY.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: 786 TO 3000K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTSR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$360000
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1976, THE B6807 IS A LARGE-SCALE, GENERAL PURPOSE, MULTIPROGRAMMING COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE BASIC SYSTEM INCLUDES A CPU AND AN I/O PROCESSOR WITH TWENTY DATA SWITCHING CHANNELS. SOFTWARE SUPPORT INCLUDES THE DMS-II DATA BASE SYSTEM AND COMMUNICATIONS SOFTWARE. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 512K CORE
 CYCLE TIME: .150 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AD/BST
 I/O TRANSFER RATE: 2.2MB
 PROCESSOR FEATURES (3): BCDPRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNT
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS DMS-II
 OTHER: OCR, MICR

PRICES

COMPUTER: \$589000, 128K
 MEMORY: \$84000, 64K
 SYSTEM: \$721400, 128K
 INCLUDES 128K CPU; CARD READER (300 CPM); LINE PRINTER (1100 LPM); 3 MAGNETIC TAPE UNITS (120KB); DISK PACK (348MB).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: B983-X, B948X-X
 FIXED HEAD DISK: B9372-20, B9470
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B9495
 TAPE CASSETTE: N/A
 LINE PRINTER: B9247
 SERIAL PRINTER: N/A
 CARD RD, PN: B9116
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: B9340
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE B6811 IS A LARGE-SCALE, GENERAL PURPOSE, MULTIPROGRAMMING COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE BASIC SYSTEM INCLUDES A CPU AND AN I/O PROCESSOR WITH TWENTY DATA SWITCHING CHANNELS. SOFTWARE SUPPORT INCLUDES THE DMS-II DATA BASE SYSTEM AND COMMUNICATIONS SOFTWARE. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 512K CORE
 CYCLE TIME: .150 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AD/BST
 I/O TRANSFER RATE: 2.2MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MONTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS DMS-II
 OTHER: OCR, MICE

PRICES

COMPUTER: \$69700, 128K
 MEMORY: \$84000, 64K
 SYSTEM: \$974400, 128K
 INCLUDES 128K CPU; CARD READER (300 CPH); LINE PRINTER (1100 LPH); 3 M. TAPE
 UNITS (120KB); DISK PACK (348MB).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B983-X, B948X-X
 FIXED HEAD DISK: B9372-20, B9470
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B9495
 TAPE CASSETTE: N/A
 LINE PRINTER: B9247
 SERIAL PRINTER: N/A
 CARD RD, PN: B9116
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: B9340
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

* APL
 * ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 RPG
 OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE BURROUGHS B6817 IS A LARGE, MULTIPROCESSOR-BASED COMPUTER SYSTEM. THE B6817 ACCOMODATES INTERACTIVE APL, COBOL, ALGOL, FORTRAN, PL/I, AND BASIC. USERS CAN EXPAND THE SYSTEM TO ACCOMODATE ADDITIONAL CPUS AND I/O PROCESSORS.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: 786K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTN
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$975000
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE B6821 IS A LARGE-SCALE, GENERAL PURPOSE, MULTIPROGRAMMING COMPUTER DESIGNED FOR DATA BASE OR DATA COMMUNICATIONS APPLICATIONS. THE BASIC SYSTEM INCLUDES TWO CPUS AND TWO I/O PROCESSORS WITH TWENTY DATA SWITCHING CHANNELS EACH. SOFTWARE SUPPORT INCLUDES THE DMS-II DATA BASE SYSTEM AND COMMUNICATIONS SOFTWARE. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 256 TO 1536K CORE
 CYCLE TIME: .150 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AD/BST
 I/O TRANSFER RATE: 4.4MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS: 40

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS DMS-II
- OTHER: OCR, MICR

PRICES

COMPUTER: \$1538000, 384K
 MEMORY: \$84000, 64K
 SYSTEM: \$2236800, 384K
 INCLUDES 384K CPU; 2 CARD READERS (300
 TAPE UNITS (120KB); DISK PACK (796MB).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B983-X, B948X-X
 FIXED HEAD DISK: B9372-20, B9470
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B9495
 TAPE CASSETTE: N/A
 LINE PRINTER: B9247
 SERIAL PRINTER: N/A
 CARD RD, PN: B9116
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: B9340
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 4 CPU; 2 CARD READERS (300 CPH); 2 LINE PRINTERS (1100 LPH); 6 MAG

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE BURROUGHS B7755 IS A 48-BIT WORD, MEDIUM-SCALE COMPUTER SYSTEM, SUITED FOR BUSINESS, COMMUNICATIONS SCIENCE, EDUCATIONAL, AND DATA ENTRY APPLICATIONS. STANDARD CPU FEATURES INCLUDE BYTE MANIPULATION, INDIRECT ADDRESSING, HARDWIRED MULTIPLY AND DIVIDE, A REAL TIME CLOCK, POWER FAIL SAFE, MEMORY PROTECTION, AND PRIORITY INTERRUPTS. A CHOICE OF BURROUGHS PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 48 BITS
 MEMORY: 256 TO 1024K MOS
 CYCLE TIME: .063 USEC
 ADD TIME:
 CACHE MEMORY: 6KB
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDVFRMEK/
 INTERFACE SLOTS: 26

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR MCP
 * REAL TIME MNTR
 * T/S MONITOR MCP
 * BATCH MONITOR MCP
 * DATA BASE SYS DMS-II
 OTHER:

PRICES

COMPUTER: \$2043100, 256K
 MEMORY:
 SYSTEM: \$2197100, 256K
 INCLUDES 256K CPU; DISK (10MB) \$40,800; M. TAPE \$33,400; LINE PRINTER (1100 LPH); \$58,000; CARD READER (800 CPM) \$21,800.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: B9383-X, B948X-X
 FIXED HEAD DISK: B9372-20, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9213
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMH PROC B7350

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- EPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisychnous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correction
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE BURROUGHS B7765 IS A 32-BIT WORD GENERAL PURPOSE COMPUTER SYSTEM FOR BUSINESS, SCIENTIFIC, AND EDUCATIONAL DATA ENTRY APPLICATIONS. STANDARD FEATURES INCLUDE BYTE MANIPULATION, INDIRECT ADDRESSING, HARDWIRED MULTIPLY AND DIVIDE, A REAL-TIME CLOCK, PRIORITY INTERRUPTS, MEMORY PROTECTION, AND POWER FAIL SAFE. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 256 TO 1024K MOS
 CYCLE TIME: .063 USEC
 ADD TIME:
 CACHE MEMORY: 6KB
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDPVRHEK/
 INTERFACE SLOTS: 28

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR MCP
 * REAL TIME MMTR
 * T/S MONITOR MCP
 * BATCH MONITOR MCP
 * DATA BASE SYS DMS-II
 OTHER:

PRICES

COMPUTER: \$SEE MFB, 256K
 MEMORY:
 SYSTEM: \$1953600, 256K

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9383-X, B948X-X
 FIXED HEAD DISK: B9372-20, B9373-XI
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938I
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9213
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM PROC B7350

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE BURROUGHS B7775 IS A 48-BIT COMPUTER SYSTEM FOR BUSINESS, COMMUNICATIONS, SCIENTIFIC, EDUCATIONAL AND OTHER DATA ENTRY APPLICATIONS. STANDARD FEATURES INCLUDE BYTE MANIPULATION, INDIRECT ADDRESSING, HARDWIRED MULTIPLY AND DIVIDE, A REAL-TIME CLOCK, POWER FAIL SAFE, VECTORED INTERRUPTS, AND MEMORY PROTECTION. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 256 TO 1024K MOS
 CYCLE TIME: .063 USEC
 ADD TIME:
 CACHE MEMORY: 6KB
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIHS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDPVRMEK/
 INTERFACE SLOTS: 28

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR MCP
 * REAL TIME MNT
 * T/S MONITOR MCP
 * BATCH MONITOR MCP
 * DATA BASE SYS DMS-II
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 256K
 MEMORY:
 SYSTEM: \$SEE MFR, 256K

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9383-X, B948X-X
 FIXED HEAD DISK: B9372-20, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9223
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLE I/O:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM PROC B7350

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE BURROUGHS B7785 IS A LARGE-SCALE 8-BIT COMPUTER SYSTEM. IT SUPPORTS DATA ENTRY APPLICATIONS IN BUSINESS, EDUCATION, SCIENTIFIC RESEARCH, AND BANKING. THE B7785 USES THE DMS-II OPERATING SYSTEM, AND CAN HANDLE APL, ALGOL, SINGLE BASIC, COBOL, FORTRAN, AND PL1 PROGRAMMING LANGUAGES. A 63 NANO-SECOND CYCLE TIME IS FEATURED, AND BURROUGHS OFFERS A CHOICE OF PERIPHERALS FOR THE SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 256 TO 1024K MOS
 CYCLE TIME: .063 USEC
 ADD TIME:
 CACHE MEMORY: 6KB
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDPVRMEK/
 INTERFACE SLOTS: 28

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR MCP
 * REAL TIME MNTR
 * T/S MONITOR MCP
 * BATCH MONITOR MCP
 * DATA BASE SYS DMS-II
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 256K
 MEMORY:
 SYSTEM: \$SEE MFR, 256K

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9383-X, B948X-X
 FIXED HEAD DISK: B9372-20, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-I, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B9246-2
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X, B9213
 PAPER TAPE RD, PN: B9120, B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM PROC B7350

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: NDL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Biresynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE B7811 IS THE SMALLER OF THE TWO B7800 COMPUTER SYSTEMS WHICH NOW TOP THE BURROUGHS LINE. THE B7811 IS A LARGE-SCALE SYSTEM DESIGNED FOR LARGE ON-LINE NETWORKS AND DATA BASE MANAGEMENT APPLICATIONS AND OFFERS 2.5 TIMES THE PERFORMANCE OF THE BURROUGHS 7700 SYSTEM. THE B7811 IS CODE COMPATIBLE WITH OTHER LARGE BURROUGHS SYSTEMS AND FEATURES THE SAME CTL LOGIC. THE KEY TO THE 7800'S IMPROVED PERFORMANCE LIES IN THE NEW CPU AND THE LARGER PROGRAM BUFFER. THE BURROUGHS SCIENTIFIC PROCESSOR (BSP) IS AVAILABLE FOR THE SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: TO 6MBK MOS
 CYCLE TIME: 1.5 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR MCP
- REAL TIME MNTR
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS DMS-II
- OTHER: NDL, MCS

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$2391940, 3000K

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: #B9883-X, B9848X-X
 FIXED HEAD DISK: #B9372-20, B9373-XX
 FLEXIBLE DISK: NO
 MAGNETIC TAPE: #B939X, B949X-X, B938X
 TAPE CASSETTE: NO
 LINE PRINTER: #B9243-11, B9246-6
 SERIAL PRINTER: #B9350
 CARD RD, PN: #B911X, B9213
 PAPER TAPE RD, PN: #B9120, B9220
 DISPLAY TERMINAL: #B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMB PROC

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE B7821 IS THE LARGER OF THE TWO 7800 COMPUTER SYSTEMS WHICH NOW TOP THE BURROUGHS LINE. IT IS A LARGE-SCALE SYSTEM DESIGNED FOR LARGE ON-LINE NETWORKS AND DATA BASE MANAGEMENT APPLICATIONS, AND OFFERS 2.5 TIMES THE PERFORMANCE OF THE BURROUGHS 7700 SYSTEM. THE B7821 IS CODE COMPATIBLE WITH OTHER LARGE BURROUGHS SYSTEMS AND FEATURES THE SAME CTL LOGIC. THE KEY TO THE 7800'S IMPROVED PERFORMANCE LIES IN THE NEW CPU AND LARGER PROGRAM BUFFER. THE B7821 DIFFERS FROM THE B7811 IN THAT IT FEATURES TWO CPUS AND TWO I/O PROCESSORS. THE BURROUGHS SCIENTIFIC PROCESSOR (BSP) IS AVAILABLE TO THE SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: TO 6000K MOS
 CYCLE TIME: 1.5 WORDS USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1):
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE: 1.3MB
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR MCP
- REAL TIME MNTF
- * T/S MONITOR MCP
- * BATCH MONITOR MCP
- * DATA BASE SYS DMS-II
- OTHER: NDL, MCS

PRICES

COMPUTER: \$SEE MFE, 6000K
 MEMORY:
 SYSTEM: \$3528280, 6000K
 INCLUDES 6MB CPU.

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: B9383-X, B948X-X
 FIXED HEAD DISK: B9372-2-, B9373-XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: B939X, B949X-X, B938X
 TAPE CASSETTE: N/A
 LINE PRINTER: B9243-11, B246-6
 SERIAL PRINTER: B9350
 CARD RD, PN: B911X; B9213
 PAPER TAPE RD, PN: B9120; B9220
 DISPLAY TERMINAL: B9342-1
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: DATA COMM. PROCESSOR

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bysynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE ADVISER III IS A 16-BIT DISK ORIENTED COMPUTER SYSTEM DESIGNED TO MEET THE INDIVIDUAL REQUIREMENTS OF SMALL AND MEDIUM-SIZED COMPANIES. FEATURES INCLUDE VIRTUAL MEMORY, MODULAR EXPANSION, AND MEMORY EXPANDABLE TO 512K. UP TO 24 TERMINALS MAY BE USED.

<p>APPLICATION (*)</p> <ul style="list-style-type: none"> * BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM * DATA ENTRY SYSTEM <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 16 BITS MEMORY: 32 TO 512K CYCLE TIME: 1.2 USEC ADD TIME: 2.04 USEC CACHE MEMORY: # OF INSTRUCTIONS: 230 INSTRUCTION TYPES (1): BDIMS/ ACCUMULATORS: 1 INDEX REGISTERS: 1 I/O COMMUNICATIONS (2): ADS/B I/O TRANSFER RATE: 3.3MB PROCESSOR FEATURES (3): CDFV/E INTERFACE SLOTS: 10</p> <p>SYSTEMS SOFTWARE (*)</p> <p>ASSEMBLER</p> <ul style="list-style-type: none"> * MACRO ASSEM 32K * DISK MONITOR 32K * REAL TIME MMTR 32K * T/S MONITOR 32K BATCH MONITOR * DATA BASE SYS 32K OTHER: ABOL 32K <p>PRICES</p> <p>COMPUTER: \$M/A MEMORY: \$2500, 16K SYSTEM: \$59600, 64K INCLUDES 64K CPU; 80MB DISK; CRT; 160 CPS PRINTER.</p>	<p>FEATURES (*)</p> <ul style="list-style-type: none"> * UPWARD COMPATIBLE * FIELD SERVICE * APPLICATION SOFTWARE * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE * FACTORY MICROPROGRAMMABLE * VIRTUAL MEMORY MACHINE MULTIPROCESSOR <p>PERIPHERALS (Model #, Specs, N/A)</p> <p>REMOVABLE DISK: 80-640 MB FIXED HEAD DISK: FLEXIBLE DISK: MAGNETIC TAPE: 30KB/SEC, 37.5 IPS TAPE CASSETTE: LINE PRINTER: 300/600 LPM SERIAL PRINTER: 120/160 CARD RD, PN: PAPER TAPE RD, PN: DISPLAY TERMINAL: 512/1920 CHAR. MULTIPLE I/O: ASYN. 8-24 CHANNEL TERMINALS/SYSTEM: 24 OTHER:</p> <p>SOFTWARE LANGUAGES (*)</p> <p>APL ALGOL SINGLE BASIC MULTI BASIC COBOL * FORTRAN 32K PL1 RPG OTHER: ABOL 32K</p> <p>MARKETING</p> <p>MAIN MARKET: END USER UNITS SOLD: 30 (10/77) MAINTENANCE: ON CALL</p>
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(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE C8562 IS A GENERAL PURPOSE COMPUTER SYSTEM USED FOR COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE INTERLEAVED, MULTIPORT MEMORY AND DIAL-UP I/O COMMUNICATIONS. A VARIETY OF PERIPHERALS IS AVAILABLE INCLUDING A REMOTE MULTIPLEXOR.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 65K
 CYCLE TIME: .9 USEC
 ADD TIME: 1.2 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): BM/
 ACCUMULATORS: 4
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ABDMST/
 I/O TRANSFER RATE: 32MB
 PROCESSOR FEATURES (3): CFRE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 32K
- * MACRO ASSEM 32K
- * DISK MONITOR 1K
- * REAL TIME MNTR 12K
- T/S MONITOR
- * BATCH MONITOR 24K
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$N/A, 65K
 MEMORY: \$N/A
 SYSTEM: \$506000, 65K
 INCLUDES 65K CPU; 5 I/O CHANNELS; CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8876A
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 8842C
 TAPE CASSETTE: N/A
 LINE PRINTER: 7943B
 SERIAL PRINTER: 8853A
 CARD RD,PN: N/A,N/A
 PAPER TAPE RD,PN: N/A,N/A
 DISPLAY TERMINAL: 8837C
 MULTIPLEXOR: 8781A/B,SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DIAL-UP,SYN,ASYN

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- COBOL
- FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE CC-80 IS A COMMUNICATIONS PROCESSOR DESIGNED FOR THE OEM AND END USER MARKETS. THE 16-BIT CC-80 IS FACTORY MICROPROGRAMMABLE AND FEATURES SINGLE AND MULTIPROCESSOR CONFIGURATIONS. COMMUNICATIONS APPLICATION SOFTWARE IS PROVIDED TO PERFORM MESSAGE SWITCHING, NETWORKING, FRONT ENDING, AND 2701/3701 EMULATION.

APPLICATION (*)

BUSINESS/COMMERCIAL
 * COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 512K MOS
 CYCLE TIME: .360 USEC
 ADD TIME: .720 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 576
 INSTRUCTION TYPES (1): BI/
 ACCUMULATORS: 64
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDHST/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BCDVHEK/F
 INTERFACE SLOTS: 240

SYSTEMS SOFTWARE (*)

* ASSEMBLER
 * MACRO ASSEM 50K
 * DISK MONITOR 20K
 * REAL TIME MNTR 16K
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$68000, 30K
 MEMORY: \$1250, 8K, \$8008
 SYSTEM: \$SEE MFR, 30K

FEATURES (*)

* UPWARD COMPATIBLE
 * FIELD SERVICE
 * APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 * USER MICROPROGRAMMABLE
 * FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE: N/A
 LINE PRINTER: YES
 SERIAL PRINTER: YES
 CARD RD,PH: YES;N/A
 PAPER TAPE RD,PH: YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: COLOR DISPLAY CRT

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER: ASSEMBLY

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 208 (11/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisyynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1975, THE 476 IS A COMMUNICATIONS SYSTEM FOR MESSAGE SWITCHING AND FRONT-END COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE AUTOMATIC MESSAGE LEVEL RECOVERY, MESSAGE QUEUEING ON DISK OR CORE STORAGE, PRIORITY MESSAGE SELECTION, AND STATISTICAL ANALYSIS OF ON-LINE TRAFFIC. CONTROL FUNCTIONS AND NUMEROUS INTERFACES ARE PROVIDED BY THE COMTEN TELECOMMUNICATIONS ACCESS METHOD (CTAM). ALL COMTEN SOFTWARE IS COMMUNICATIONS SYSTEMS ORIENTED AND BUNDLED.

APPLICATION (*)

BUSINESS/COMMERCIAL
* COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
MEMORY: 32 TO 512K
CYCLE TIME: .75 USEC
ADD TIME: .75 USEC
CACHE MEMORY: N/A
OF INSTRUCTIONS: 60
INSTRUCTION TYPES (1): BDEFIM/
ACCUMULATORS: 16
INDEX REGISTERS: 16
I/O COMMUNICATIONS (2): ABDNST/
I/O TRANSFER RATE: 1.8MB
PROCESSOR FEATURES (3): BCFRME/
INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

* ASSEMBLER
* MACRO ASSEM
DISK MONITOR
* REAL TIME MONTR
T/S MONITOR
* BATCH MONITOR
* DATA BASE SYS
OTHER: MESSAGE SWITCH IBM PEP

PRICES

COMPUTER: \$76000, 32K
MEMORY: \$10700, 32K
SYSTEM: \$SEE MFR, 64K
INCLUDES 64K STAND-ALONE MESSAGE SWITCH
CARD READER (300 CPH); CONSOLE (30 CPS).

FEATURES (*)

* UPWARD COMPATIBLE
* FIELD SERVICE
* APPLICATION SOFTWARE
CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 6214
FIXED HEAD DISK: 7109
FLEXIBLE DISK: N/A
MAGNETIC TAPE: 7322
TAPE CASSETTE: YES
LINE PRINTER: 740X
SERIAL PRINTER: 4008
CARD RD, PM: 7305
PAPER TAPE RD, PM: N/A, N/A
DISPLAY TERMINAL: N/A
MULTIPLEXOR: ASN, SYN
TERMINALS/SYSTEM:
OTHER: SYS ACTIVITY MON 4002

SOFTWARE LANGUAGES (*)

APL
ALGOL
SINGLE BASIC
MULTI BASIC
COBOL
FORTRAN
PL1
RPG
OTHER:

MARKETING

MAIN MARKET:
UNITS SOLD:
MAINTENANCE:
BASE; DISK (29MB); LINE PRINTER(300LPM);

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1976, THE COMTEN 3670-II IS AN ENHANCED VERSION OF THE COMTEN 3670 FRONT END PROCESSOR. THE 3670-II IS A COMMUNICATIONS SYSTEM THAT PERMITS IBM SYSTEM/360 OR SYSTEM/370 COMPUTERS TO COMMUNICATE WITH REMOTE TERMINALS, CONCENTRATORS, AND OTHER COMPUTER SYSTEMS OVER A VARIETY OF COMMUNICATIONS FACILITIES. THE 3670-II SYSTEM IS PLUG COMPATIBLE WITH IBM 270X AND 370X AND CAN ACCESS SIMULTANEOUSLY TWO IBM 360 OR 370 SYSTEMS. THE 3670-III, AN INTERMEDIATE MODEL BETWEEN THE 3650-II AND THE 3670-II IS ALSO AVAILABLE.

APPLICATION (*)

BUSINESS/COMMERCIAL
 * COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 512K
 CYCLE TIME: .65 USEC
 ADD TIME: 1.3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 62
 INSTRUCTION TYPES (1): BDFEM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDNST/
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

* ASSEMBLER
 * MACRO ASSEM
 DISK MONITOR
 * REAL TIME MWTR
 T/S MONITOR
 BATCH MONITOR
 * DATA BASE SYS
 OTHER: IBM FRONT-END PROCESSOR

PRICES

COMPUTER: \$102000, 64K
 MEMORY: \$5600, 32K
 SYSTEM: \$SEE MFR

FEATURES (*)

* UPWARD COMPATIBLE
 * FIELD SERVICE
 * APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE: YES
 LINE PRINTER:
 SERIAL PRINTER: 4008
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR: ASYN,SYN,SDLC
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: DEPOT

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE CDC CYBER 18-30 IS DESIGNED FOR SMALL-TO-MEDIUM SCALE EDUCATIONAL TIME SHARING APPLICATIONS. THE DUAL PROCESSORS, MORE THAN 500,000 BYTES OF SHARED MAIN MEMORY, AND THE CONTROL DATA TIMESHARE SOFTWARE ALLOW THE CYBER 28-30 TO SERVE UP 64 TERMINAL USERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 96 TO 256K
 CYCLE TIME: .75 USEC
 ADD TIME: 1.76 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 195
 INSTRUCTION TYPES (1): BM/
 ACCUMULATORS: 7
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): ADM/
 I/O TRANSFER RATE: 2.6MB
 PROCESSOR FEATURES (3): BCDFRME/
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- REAL TIME MNTNR
- * T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$110000, 0K
 MEMORY: \$9920, 32K
 SYSTEM: \$116018, 393K
 INCLUDES 393K CPU; 4K MICRO-PROGRAM MEMORY AND COMMUNICATIONS LINKS MAGNETIC TAPE AND MASS STORAGE CAPABILITY; 300 CPM CARD READER; 300 CPM PRINTER; VISUAL DISPLAY UNIT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: CDC 1867
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE: CDC 1860
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: CDC 1827
 SERIAL PRINTER: 755-10, 753-10
 CARD RD, PM: CDC 1829
 PAPER TAPE RD, PM:
 DISPLAY TERMINAL: CDC 1811, 751-10
 MULTIPLEXOR: CDC 1843
 TERMINALS/SYSTEM: 64
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiprot Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1976, THE MODEL 71 IS A MEDIUM-TO-LARGE SCALE, GENERAL PURPOSE COMPUTER SYSTEM DESIGNED FOR A VARIETY OF BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE INDIRECT ADDRESSING, EXTENDED ARITHMETIC PRECISION, BIPOLAR SEMICONDUCTOR MEMORY, AND COMPASS, NOS AND NOSBE OPERATING SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 60 BITS
 MEMORY: 49 TO 131K
 CYCLE TIME: .1 USEC
 ADD TIME: .4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 64
 INSTRUCTION TYPES (1): EFIMS/
 ACCUMULATORS: 6
 INDEX REGISTERS: 6
 I/O COMMUNICATIONS (2): ABDMST/
 I/O TRANSFER RATE: 24MB
 PROCESSOR FEATURES (3): BCM/
 INTERFACE SLOTS: 12,24

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$305000 65K
 MEMORY:

SYSTEM: \$650000, 65K

INCLUDES 65K CPU; 4 DISKS; 4 MAGNETIC TAPE DRIVES; CARD READER; AND LINE PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 844-21/41
 FIXED HEAD DISK: 819,821-X,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,65X-X,667
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 512-3,580-XX
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 71X,751-10
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: MANY MODELS AVAIL.

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PLI
 - * RPG
- OTHER: PROSE, SNOBAL

MARKETING

MAIN MARKET: END USER

UNITS SOLD:

MAINTENANCE: ON CALL

OTHER: MANY MODELS AVAIL.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE CYBER 76 IS A 60-BIT COMPUTER FOR BUSINESS, SCIENTIFIC, AND ENGINEERING APPLICATIONS. FEATURES INCLUDE BIPOLAR SEMICONDUCTOR MEMORY, USER MULTIPROGRAMMING, DISTRIBUTED PROCESSING COMPATIBILITY WITH CYBER 170 COMPUTERS AND MEMORY PARITY. SOFTWARE SUPPORT INCLUDES THE SCOPE 2 OPERATING SYSTEM AND A VARIETY OF APPLICATIONS PACKAGES FOR SOPHISTICATED SCIENTIFIC AND BUSINESS PROCESSING.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 60 BITS
 MEMORY: 65 TO 131K MOS
 CYCLE TIME: .27 USEC
 ADD TIME: .05 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 81
 INSTRUCTION TYPES (1): FMS/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 36MB
 PROCESSOR FEATURES (3): BCRNEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
 - * MACRO ASSEM
 - * DISK MONITOR SCOPE 2
 - * REAL TIME MTR SCOPE 2
 - * T/S MONITOR
 - * BATCH MONITOR SCOPE 2
 - * DATA BASE SYS DHS-170
- OTHER:

PRICES

COMPUTER: \$4510000, 65K
 MEMORY: \$897000, 64K
 SYSTEM: \$5471300, 65K
 INCLUDES 65K SMALL CORE AND 256 LARGE CORE MEMORY WITH CARD READER AND CRT;
 DISK (118MB); MAGNETIC TAPE PRINTER (1200 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21/41
 FIXED HEAD DISK: 819,821-X,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,65X-X,667
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 512-1,580-XX
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 71X,751-10
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 PL1
 - * RPG
- OTHER: MANY

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE CONTROL DATA MODEL 171 IS ONE OF A FAMILY OF COMPATIBLE, MEDIUM-TO-LARGE SCALE DIGITAL COMPUTERS WHICH CAN BE USED IN NETWORK DATA PROCESSING, AND SCIENTIFIC COMPUTING APPLICATIONS WITH LARGE DATA BASES. IT HAS HARDWARE AND SOFTWARE COMPATIBILITY WITH CONTROL DATA CYBER 70 AND CYBER 170 SYSTEMS, AND CAN SERVE AS AN EXPANDABLE BASE FOR LONG-RANGE GROWTH PLANS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 60 BITS
 MEMORY: 65 TO 262K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): DFM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
HACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MONTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE: YES
 TAPE CASSETTE: YES
 LINE PRINTER: YES
 SERIAL PRINTER: YES
 CARD RD, PN: YES
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL: YES
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
PL1
RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored interrupt

INTRODUCED IN 1975, THE CYBER 170 SERIES IS A FAMILY OF COMPATIBLE, MEDIUM-TO-LARGE SCALE SYSTEMS WHICH CAN BE USED AS CENTRAL COMPUTERS FOR BATCH OPERATIONS OR AS NUCLEI FOR DISTRIBUTED PROCESSING NETWORKS. THE CYBER 172 FEATURES MOS MAIN MEMORY, AND EXTENDED CORE STORAGE UP TO 2015K WORDS. SOFTWARE SUPPORT INCLUDES SCIENTIFIC COMPUTING IN BATCH, REAL TIME, AND TIME SHARING MODES AND DATA MANAGEMENT APPLICATIONS PACKAGE. A VARIETY OF PERIPHERALS COMPATIBLE WITH ALL MODELS OF THE CYBER 170 SERIES IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 60 BITS
 MEMORY: 32 TO 2015K MOS
 CYCLE TIME: .4 USEC
 ADD TIME: .6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 79
 INSTRUCTION TYPES (1): BFM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): RHEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
 MACRO ASSEM
 - * DISK MONITOR NOS
 - * REAL TIME MONTR SCOPE 3.4
 - * T/S MONITOR NOS
 - * BATCH MONITOR SCOPE 3.4
 - * DATA BASE SYS TOTAL, DHS-170
- OTHER: REMOTE BATCH

PRICES

COMPUTER: \$580600, 32K
 MEMORY: \$61900, 16K
 SYSTEM: \$1089800, 157K
 INCLUDES 32K CPU; 125K EXTENDED CORE STORAGE; DISK (118MB); MAGNETIC TAPE;
 PRINTER (1200 LPM); CARD READER (1200 CPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21/41
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 65X-X, 66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 580-YX, 512-1
 SERIAL PRINTER: 755-10, 753-10
 CARD RD, PN: 405; 415
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: 71X, 751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: GRAPH TERM 777-2

SOFTWARE LANGUAGES (*)

- * APLNOS
 - * ALGOL SCOPE 3.4, NOS
 SINGLE BASIC
 - * MULTI BASIC SCOPE 3.4, NOS
 - * COBOL SCOPE 3.4, NOS
 - * FORTRAN SCOPE 3.4, NOS
 PL1
 RPG
- OTHER: JOVIAL (SCOPE 3.4)

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1975, THE CYBER 173 IS A MEMBER OF THE CYBER 170 FAMILY OF COMPUTERS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE UP TO 2015K WORDS OF EXTENDED CORE STORAGE, SINGLE-ERROR CORRECTION AND DOUBLE-ERROR DETECTION, MEMORY PARITY AND A VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE NOS OPERATING SYSTEM AVAILABLE WITH ALL CYBER 170 PROCESSORS, THE DMS-170 DATA BASE SYSTEM, AND A VARIETY OF SOFTWARE LANGUAGES SUPPORTED BY NOS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 60 BITS
 MEMORY: 65 TO 2015K NOS
 CYCLE TIME: .4 USEC
 ADD TIME: .25 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 79
 INSTRUCTION TYPES (1): BFM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): RMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
- * MACRO ASSEM
- * DISK MONITOR NOS
- * REAL TIME MNTSR SCOPE 3.4
- * T/S MONITOR NOS
- * BATCH MONITOR SCOPE 3.4
- * DATA BASE SYS TOTAL, DMS-170
- OTHER: REMOTE BATCH

PRICES

COMPUTER: \$980700, 65K
 MEMORY: \$123900, 32K
 SYSTEM: \$1489400, 190K
 INCLUDES 65K CPU; 125K EXTENDED CORE STORAGE; DISK (118MB); MAG TAPE; PRINTER (1200 LPH); CARD READER (1200 CPM); CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21/41
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 65X-X, 66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 580-XX, 512-1
 SERIAL PRINTER: 755-10, 753-10
 CARD RD, PN: 405, 415
 PAPER TAPE RD, PN: N/A, N/A
 DISPLAY TERMINAL: 71X, 751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: GRAPH TERM 777-2

SOFTWARE LANGUAGES (*)

- * APLNOS
- * ALGOL SCOPE 3.4, NOS
- SINGLE BASIC
- * MULTI BASIC SCOPE 3.4, NOS
- * COBOL SCOPE 3.4, NOS
- * FORTRAN SCOPE 3.4, NOS
- PL1
- RPG
- OTHER: JOVIAL (SCOPE 3.4)

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Biscynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE CYBER 174 IS A LARGE-SCALE MEMBER OF THE CYBER 170 FAMILY OF LARGE COMPUTERS. STANDARD FEATURES INCLUDE MEMORY PROTECTION, EXTENDED CORE STORAGE OF UP TO 2015K WORDS, AND A DUAL PROCESSOR CONFIGURATION. SOFTWARE SUPPORT INCLUDES THE TOTAL DATA BASE MANAGEMENT SYSTEM AND LOCAL AND REMOTE BATCH CAPABILITY. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 60 BITS
 MEMORY: 65 TO 2015K MOS
 CYCLE TIME: .4 USEC
 ADD TIME: .25 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 79
 INSTRUCTION TYPES (1): BFM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): RMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
- * MACRO ASSEM
- * DISK MONITOR NOS
- * REAL TIME MNTR SCOPE 3.4
- * T/S MONITOR NOS
- * BATCH MONITOR SCOPE 3.4
- * DATA BASE SYS TOTAL, DMS-170
- OTHER: REMOTE BATCH

PRICES

COMPUTER: \$1627670, 65K
 MEMORY: \$124000, 32K
 SYSTEM: \$5EE MFR, 190K

INCLUDES 65K CPU; 125K EXTENDED CORE STORAGE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21/41
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 65X-X, 66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 580-XX, 512-1
 SERIAL PRINTER: 755-10, 753-10
 CARD RD, PN: 405, 415
 PAPER TAPE RD, PN: N/A, N/A
 DISPLAY TERMINAL: 71X, 751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: GRAPH TERM 777-2

SOFTWARE LANGUAGES (*)

- * APLNOS
- * ALGOL SCOPE 3.4, NOS
- SINGLE BASIC
- * MULTI BASIC SCOPE 3.4, NOS
- * COBOL SCOPE 3.4, NOS
- * FORTRAN SCOPE 3.4, NOS
- PL1
- RPG
- OTHER: JOVIAL (SCOPE 3.4)

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1975, THE CYBER 175 IS THE LARGEST SYSTEM OF THE CYBER 170 SERIES OF COMPUTERS. IT IS ORIENTED PRIMARILY TOWARD SCIENTIFIC APPLICATIONS. FEATURES INCLUDE STACK PROCESSING HARDWARE, MULTIPORT MEMORY AND A LARGE VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES SCOPE 3, 4 AND NOS OPERATING SYSTEMS PLUS MANY SCIENTIFIC APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 60 BITS
 MEMORY: 65 TO 131K MOS
 CYCLE TIME: .4 USEC
 ADD TIME: .1 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 75
 INSTRUCTION TYPES (1): 8FMS/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): RMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
 MACRO ASSEM
 - * DISK MONITOR NOS
 - * REAL TIME MNTR SCOPE 3.4
 - * T/S MONITOR NOS
 - * BATCH MONITOR SCOPE 3.4
 - * DATA BASE SYS TOTAL,DMS-170
- OTHER: REMOTE BATCH

PRICES

COMPUTER: \$2707900, 65K
 MEMORY: \$162300, 32K
 SYSTEM: \$3353623, 190K, #128
 INCLUDES CPU; 125K EXTENDED CORE STORAGE \$206,000; DISK (118MB) \$123,900; MAG TAPE \$53,300; PRINTER (1200 LPM) \$80,100; CARD READER (1200 CPM) \$41,700; CRT \$3,700.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21/41
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 65X-X,66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 580-XX,512-1
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405,415
 PAPER TAPE RD,PN: N/A,N/A
 DISPLAY TERMINAL: 71X,751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: GRAPH TERM 777-2

SOFTWARE LANGUAGES (*)

- * APLNOS
 - * ALGOL SCOPE 3.4,NOS
 - * SINGLE BASIC
 - * MULTI BASIC SCOPE 3.4,NOS
 - * COBOL SCOPE 3.4,NOS
 - * FORTRAN SCOPE 3.4,NOS
- PL1
 RPG
 OTHER: JOVIAL (SCOPE 3,4)

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE CONTROL DATA OMEGA 480-I IS INTERCHANGEABLE WITH HARDWARE AND SOFTWARE OF CORRESPONDING IBM 370 SERIES SYSTEMS; MODELS 135, 138, 145, AND 148. A CHOICE OF PERIPHERALS IS AVAILABLE. THE OMEGA 480-I MAY BE FIELD UPGRADED TO THE OMEGA 480-II.

APPLICATION (*)

BUSINESS/COMMERCIAL
 * COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: 500 TO 2000K MOS
 CYCLE TIME: .050 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BF/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: .05/.180MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER: DOS, DOS/VS, OS/VS 1, -2, VM 370

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$50000, 500K
 SYSTEM: \$355000, 512K

FEATURES (*)

* UWARD COMPATIBLE
 * FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR: BLOCK
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

HAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE CONTROL DATA OMEGA 480-II IS A LARGE COMPUTER SYSTEM, COMPATIBLE WITH THE IBM 370 SERIES, BOTH IN HARDWARE AND IN SOFTWARE. THE OMEGA 480-II IS A HIGHER PERFORMANCE SYSTEM THAN THE OMEGA 480-I. IT SUPPORTS IBM OPERATING SYSTEMS INCLUDING DOS, DOS/VS, OS/MFT, OS/MVT, OS/VS1, OS/VS2, AND VM/370. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

BUSINESS/COMMERCIAL
 * COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: 1000 TO 2000K MOS
 CYCLE TIME: .050 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BF/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: .05/.180MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER: DOS, DOS/VS, OS/VS 1, -2, VM 370

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$490000, 1000K, #480II

FEATURES (*)

UPWARD COMPATIBLE
 * FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR: BLOCK
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

THE 2552-1 IS A HOST COMMUNICATIONS PROCESSOR COMPATIBLE WITH THE CONTROL DATA CYBER 70 AND 170 SERIES COMPUTERS. IT FEATURES "DEMAND SERVICE" COMMUNICATION WHICH ELIMINATES CIRCUIT SCANNING, AND THE ABILITY TO HANDLE UP TO 128 COMMUNICATIONS LINES. THE 2552-1 FEATURES A 128K MAXIMUM MEMORY. THREE TIMES THE THROUGHPUT RATES OF THE 2550, AND THE ABILITY TO HANDLE A NUMBER OF ADDITIONAL PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE PASCAL COMMUNICATIONS LANGUAGE.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 24 TO 128K
 CYCLE TIME: .6 USEC
 ADD TIME: 1.68 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 1
 I/O COMMUNICATIONS (2): D/
 I/O TRANSFER RATE: .03MB
 PROCESSOR FEATURES (3): FVME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEMBLER
- DISK MONITOR
- REAL TIME MONITOR
- T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYSTEM
- OTHER: COMM. CONTROL PROGRAM

PRICES

COMPUTER: \$SEE MFR, 24K
 MEMORY: \$3400, 8K
 SYSTEM: \$87259, 24K

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: N/A
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: N/A
 TAPE CASSETTE: N/A
 LINE PRINTER: 2570-1/2
 SERIAL PRINTER: 1711
 CARD RD, PN: 2572-1/2; N/A
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: 713
 MULTIPLEXOR: SYN, ASYN, 256 MAX.
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER: PASCAL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1970, THE 3174-1 IS A MEMBER OF THE 3000 SERIES OF MEDIUM-SCALE, GENERAL PURPOSE COMPUTERS. MODEL 3174-1 FEATURES UP TO 6 DATA CHANNELS AND A CONSOLE WITH TYPEWRITER AND KEYBOARD ENTRY. SOFTWARE SUPPORT INCLUDES THE MASTER OPERATING SYSTEM AND THE MESSAGE CONTROL SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 128K
 CYCLE TIME: 1.75 USEC
 ADD TIME: 3.25 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1.8MB
 PROCESSOR FEATURES (3): BCDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
- * MACRO ASSEM
- * DISK MONITOR MASTER, MSOS
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR MASTER
- * DATA BASE SYS MARS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$134400
 MEMORY: \$124320, 48K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21
 FIXED HEAD DISK: 821-112,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,66X-X
 TAPE CASSETTE: 754-101,754-20
 LINE PRINTER: 512-1,580-XX
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 211,751-10
 MULTIPLEXOR: ASYM,SYM
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE 3174-2 IS A MEMBER OF THE 3000 SERIES OF MEDIUM-SCALE, GENERAL PURPOSE COMPUTERS. MODEL 3174-2 FEATURES FLOATING POINT HARDWARE. SOFTWARE SUPPORT INCLUDES THE MASTER OPERATING SYSTEM AND THE MESSAGE CONTROL SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 128K
 CYCLE TIME: 1.75 USEC
 ADD TIME: 3.25 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1.8MB
 PROCESSOR FEATURES (3): BCDEM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
 - * MACRO ASSEMBLER
 - * DISK MONITOR MASTER, MSOS
 - * REAL TIME MONITOR
 - * T/S MONITOR
 - * BATCH MONITOR MER
 - * DATA BASE SYSTEM MARKS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$147840
 MEMORY: \$124320, 48K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21
 FIXED HEAD DISK: 821-112,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 512-1,580XX
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 211,751-10
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisyynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1970, THE 3174-3 IS A MEMBER OF THE 3000 SERIES OF MEDIUM-SCALE, GENERAL PURPOSE COMPUTERS. MODEL 3174-3 FEATURES A BUSINESS DATA PROCESSOR GIVING THE CAPABILITY TO EXECUTE VARIABLE FIELD BUSINESS DATA PROCESSING. SOFTWARE SUPPORT INCLUDES THE MASTER OPERATING SYSTEM AND THE MESSAGE CONTROL SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 128K
 CYCLE TIME: 1.75 USEC
 ADD TIME: 3.25 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDM/P
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1.8MB
 PROCESSOR FEATURES (3): BCDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
- * MACRO ASSEM
- * DISK MONITOR MASTER, MSOS
- * REAL TIME MNTN
- * T/S MONITOR
- * BATCH MONITOR MASTER
- * DATA BASE SYS MARS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$147840
 MEMORY: \$124320, 48K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 844-21
 FIXED HEAD DISK: 821-1/2, 865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X, 66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 512-1, 580-XX
 SERIAL PRINTER: 755-10, 763-10
 CARD RD, PN: 405; 415
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: 211; 751-10
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE 3174-4 IS A MEMBER OF THE 3000 SERIES OF MEDIUM-SCALE, GENERAL PURPOSE COMPUTERS. MODEL 3174-4 FEATURES FLOATING POINT HARDWARE AND THE BUSINESS DATA PROCESSOR. SOFTWARE SUPPORT INCLUDES THE MASTER OPERATING SYSTEM AND THE MESSAGE CONTROL SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 128K
 CYCLE TIME: 1.75 USEC
 ADD TIME: 3.25 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDIN/F
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1.8MB
 PROCESSOR FEATURES (3): BCDRN/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
- * MACRO ASSEM
- * DISK MONITOR MASTER, MSOS
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR MASTER
- * DATA BASE SYS MARS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$160650
 MEMORY: \$124320, 48K
 SYSTEM: \$56 HFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21
 FIXED HEAD DISK: 821-1/2, 865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 601, 66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 512-1, 580-1X
 SERIAL PRINTER: 755-10, 753-10
 CARD RD, PN: 405, 415
 PAPER TAPE RD, PN: N/A, N/A
 DISPLAY TERMINAL: 211, 751-10
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Biscynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1965, THE 3300 IS A MEMBER OF THE CONTROL DATA 3000 SERIES OF COMPUTERS USED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. TWO 3300 MODELS ARE AVAILABLE: THE 3304 BASIC PROCESSOR AND THE 3304-3 BUSINESS DATA PROCESSOR. SOFTWARE SUPPORT INCLUDES THE MASTER OPERATING SYSTEM WHICH SUPPORTS ALGOL AND FORTRAN LANGUAGES. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 16 TO 128K
 CYCLE TIME: 1.25 USEC
 ADD TIME: 2.75 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDIM/F
 ACCUMULATORS: 2
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1.8MB
 PROCESSOR FEATURES (3): BCDREK/M
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
- * MACRO ASSEM
- * DISK MONITOR MASTER, MSOS
- * REAL TIME MONTR SCOPE
- * T/S MONITOR
- * BATCH MONITOR MASTER
- * DATA BASE SYS
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$1814 19 #3304
 MEMORY: \$80000, 16K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 841, 844-21, 85X
 FIXED HEAD DISK: 821-1/2, 865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X, 65X-Y, 66X-X
 TAPE CASSETTE: 754-10/754-20
 LINE PRINTER: 512-1, 580-XY
 SERIAL PRINTER: 755-10, 753-10
 CARD RD, PN: 405, 415
 PAPER TAPE RD, PN: N/A, N/A
 DISPLAY TERMINAL: 211, 751-10
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1967, THE 3514-1 IS A MEMBER OF THE 3000 SERIES OF MEDIUM-SCALE 24-BIT COMPUTERS DESIGNED FOR SCIENTIFIC AND BUSINESS APPLICATIONS. MODEL 3514-1 FEATURES FLOATING POINT HARDWARE, UP TO 8 DATA CHANNELS AND A CONSOLE WITH TYPEWRITER. SOFTWARE SUPPORT INCLUDES THE MARS III DATA BASE SYSTEM AND COBOL AND FORTRAN COMPILERS, ALL HANDLED UNDER THE MASTER OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 256K
 CYCLE TIME: .9 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 4.4MB
 PROCESSOR FEATURES (3): BCDRHE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
 - * MACRO ASSEM
 - * DISK MONITOR MASTER, MSOS
 - * REAL TIME HNTR
 - * T/S MONITOR
 - * BATCH MONITOR MASTER
 - * DATA BASE SYS MARS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$352548
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21,841-41,85X
 FIXED HEAD DISK: 821-112,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,65X-X,66X-X
 TAPE CASSETTE: 754-10,754-20
 LINE PRINTER: 580-XX,512-1
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 211,751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1967, THE 3500 SERIES IS A MEMBER OF THE 3000 SERIES OF MEDIUM-SCALE COMPUTERS DESIGNED FOR SCIENTIFIC AND BUSINESS APPLICATIONS. MODEL 3514-2 FEATURES VARIABLE-FIELD LENGTH BUSINESS DATA PROCESSING INSTRUCTIONS. SOFTWARE SUPPORT INCLUDES THE MARS III DATA BASE SYSTEM AND COBOL AND FORTRAN COMPILERS, ALL HANDLED UNDER THE MASTER OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 256K
 CYCLE TIME: .9 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 4.4MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
- * MACRO ASSEM
- * DISK MONITOR MASTER, MSOS
- * REAL TIME MNTER
- * T/S MONITOR
- * BATCH MONITOR MASTER
- * DATA BASE SYS MARS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$427392
 MEMORY:
 SYSTEM: \$SEE MPR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21,844-41,85X
 FIXED HEAD DISK: 821-112,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,65X-X,66X-X
 TAPE CASSETTE: 754-10,754-20
 LINE PRINTER: 580-XX,512-1
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 211,751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisyynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1967, THE 3514-3 IS A MEMBER OF THE 3000 SERIES MEDIUM-SCALE 24-BIT COMPUTERS DESIGNED FOR SCIENTIFIC AND BUSINESS APPLICATIONS. MODEL 3514-3 FEATURES PAGING AND PROGRAM RELOCATION HARDWARE. SOFTWARE SUPPORT INCLUDES THE MARS III DATA BASE SYSTEM AND COBOL AND FORTRAN COMPILERS, ALL HANDLED UNDER THE MASTER OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 256K
 CYCLE TIME: .9 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDFI4/
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 4.4MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
 - * MACRO ASSEM
 - * DISK MONITOR MASTER, MSOS
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR MASTER
 - * DATA BASE SYS MARS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$459446
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21,844-41,85X
 FIXED HEAD DISK: 821-112,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,65X-X,66X-X
 TAPE CASSETTE: 754-10,754-20
 LINE PRINTER: 580-XX,512-1
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 211,751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PLI
 - RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: .
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1967, THE 3514-4 IS A MEMBER OF THE 3000 SERIES OF MEDIUM-SCALE COMPUTERS DESIGNED FOR SCIENTIFIC AND BUSINESS APPLICATIONS. MODEL 3514-4 FEATURES PAGING AND PROGRAMMING RELOCATING HARDWARE, AND THE BUSINESS DATA PROCESSOR. SOFTWARE SUPPORT INCLUDES THE MARS III DATA ASE SYSTEM AND COBOL AND FORTRAN COMPILERS, ALL HANDLED UNDER THE MASTER OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 256K
 CYCLE TIME: .9 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 201
 INSTRUCTION TYPES (1): BDFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 4.4MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER COMPASS
 - * MACRO ASSEM
 - * DISK MONITOR MASTER, MSOS
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR MASTER
 - * DATA BASE SYS MARS III
- OTHER: MESSAGE CONTROL SYSTEM

PRICES

COMPUTER: \$534240
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 844-21,844-41,85X
 FIXED HEAD DISK: 821-112,865
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 60X,65X-X,66X-X
 TAPE CASSETTE: 754-10,754-20
 LINE PRINTER: 580-XX,512-1
 SERIAL PRINTER: 755-10,753-10
 CARD RD,PN: 405;415
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 211,751-10
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 MULTI BASIC
 - * COBOL
 - * FORTRAN
 PL1
 RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE DATA GENERAL CS/40, C-5 IS A BUSINESS-ORIENTED COMPUTER SYSTEM. THE CS/40, C-5 FEATURES INTERACTIVE COBOL WITH EXTENSIVE FILE MANAGEMENT UTILITIES. RJE 80 REMOTE JOB ENTRY CONTROL ALLOWS COMMUNICATION WITH OTHER DATA GENERAL AND IBM COMPATIBLE SYSTEMS. A NUMBER OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: 128K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTNR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER: CS/40

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$82100

INCLUDES 128K MEMORY; 10MB DISK CARTRIDGE; (1920 CPS) DASHER DISPLAY; 165 CPS SERIAL PRINTER OR 300 LPM LINE PRINTER.

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 300 LPM
 SERIAL PRINTER: 165 CPS
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: 1-9 1920 CHAR. CRT'S
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE MODEL 4543 IS A PACKAGED BATCH BUSINESS DATA PROCESSING SYSTEM BASED ON DATAPOINT'S 5500 ADVANCED BUSINESS PROCESSOR. THE 4543 SYSTEM IS DESIGNED FOR STAND-ALONE BUSINESS DATA PROCESSING UTILIZING ADVANCED HIGH LEVEL LANGUAGES, SUCH AS THE DATAPOINT ANS COBOL. MODEL 4543 UTILIZES TWO MASS STORAGE DISK DRIVES, FOR A TOTAL DISK STORAGE CAPACITY OF 50 MEGABYTES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 48 TO 48K MOS
 CYCLE TIME: .8 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 95
 INSTRUCTION TYPES (1): BDEIS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 0
 I/O COMMUNICATIONS (2): ABST/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCDPVM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
 REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
 DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$N/A, 48K
 MEMORY:
 SYSTEM: \$52107, 48K
 INCLUDES 48K CPU; INTEGRAL DISPLAY SCREEN AND KEYBOARD; TWO MASS STORAGE DISK DRIVES (50MB TOTAL), DOS SOFTWARE AND DOCUMENTATION.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTOR: MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 9370, 25MB
 FIXED HEAD DISK:
 FLEXIBLE DISK: 9551; 9554, 9T/800BPI
 MAGNETIC TAPE: STD
 TAPE CASSETTE: DUAL
 LINE PRINTER: 120-600 LPM
 SERIAL PRINTER: 30,80 CPS
 CARD RD,PN: 9504, 300 CPM
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: 3601
 MULTIPLEXOR:
 TERMINALS/SYSTEM: 16
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
 MULTI BASIC
- * COBOL
 FORTRAN
 PL1
- * RPG
- OTHER: DATABUS, FORM, SCRIBE

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE DATASAAB D23 IS A LARGE-SCALE, 24-BIT COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC DATA PROCESSING APPLICATIONS. IT FEATURES A MICRO-PROGRAMMABLE PROCESSOR AND CAN HANDLE UP TO 64 DISK UNITS AND A VARIETY OF OTHER PERIPHERALS. SOFTWARE SUPPORT INCLUDES ALGOL AND RPG COMPILERS. PRICES ARE AVAILABLE ON APPLICATION.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 40 TO 262K
 CYCLE TIME: .4 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 109
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): BCDM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 40K
 MEMORY:
 SYSTEM: \$SEE MFR, 40K

FEATURES (*)

UPWARD COMPATIBLE
 FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2178, 218X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2131
 TAPE CASSETTE: N/A
 LINE PRINTER: 2129, 2182
 SERIAL PRINTER: N/A
 CARD RD, PN: 2119, 213X; 2132
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE DATASAAB D223 IS A MEDIUM-SCALE, 24-BIT COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC DATA PROCESSING APPLICATIONS. IT CAN ACCESS FIVE BILLION CHARACTERS OF DISK STORAGE DIRECTLY AND CAN HANDLE UP TO 64 DISK UNITS PLUS A VARIETY OF OTHER PERIPHERALS. SOFTWARE SUPPORT INCLUDES ALGOL AND RPG COMPILERS. PRICES ARE AVAILABLE ON APPLICATION.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 40 TO 262K
 CYCLE TIME: 1.6 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 * OF INSTRUCTIONS: 105
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: .75MB
 PROCESSOR FEATURES (3): BCM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 40K
 MEMORY:
 SYSTEM: \$SEE MFR, 40K

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2178,218X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2131
 TAPE CASSETTE: N/A
 LINE PRINTER: 2129,2182
 SERIAL PRINTER: N/A
 CARD RD,PN: 2119,213X,2132
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE DATASYSTEM 535 IS A BATCH OR TIME-SHARING MINICOMPUTER SYSTEM FOR SMALL-SCALE BUSINESS ENVIRONMENTS. IT IS BASED ON THE DIGITAL PDP-11/40. THREE DIFFERENT OPERATING SYSTEMS ARE AVAILABLE AND GENERALLY SOFTWARE APPLICATIONS MUST BE DEVELOPED BY THE USER OR A SYSTEMS HOUSE. THE DATASYSTEM 535 IS SOLD IN ONE BASIC CONFIGURATION.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 128K CORE/MOS
 CYCLE TIME: 1.0 USEC
 ADD TIME: .9 USEC
 CACHE MEMORY: .2KB
 # OF INSTRUCTIONS: 89
 INSTRUCTION TYPES (1): BIS/EF
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 5.8MB
 PROCESSOR FEATURES (3): CRME/
 INTERFACE SLOTS: 0

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 16K
 MEMORY:
 SYSTEM: \$54000, 16K
 INCLUDES CPU AND #1A36 CONSOLE; 40MB DISK DRIVE; 45 IPS MAG TAPE; 300 LPM
 PRINTER; 300 CPM CARD READER; CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RK05,RP03
 FIXED HEAD DISK: RS11
 FLEXIBLE DISK: RX11
 MAGNETIC TAPE: TU10D
 TAPE CASSETTE: TA11
 LINE PRINTER: LS11,LP11
 SERIAL PRINTER: LA30
 CARD RD,PN: CR11,N/A
 PAPER TAPE RD,PN: PC05,N/A
 DISPLAY TERMINAL: VT05
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM: 4
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN IV
- PL1
- * RPG II
- OTHER: MUMPS II

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE DATASYSTEM 540 IS A MID-RANGE MEMBER OF THE DIGITAL DATA SYSTEM 500 SERIES OF BUSINESS-ORIENTED MINICOMPUTERS. THE DATASYSTEM 540 IS BASED ON THE PDP-11/40 AND FEATURES A SINGLE-COLUMN UNIBUS. THREE DIFFERENT OPERATING SYSTEMS ARE AVAILABLE. GENERALLY SOFTWARE APPLICATIONS MUST BE DEVELOPED BY THE USER OR A SYSTEMS HOUSE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 128K CORE/MOS
 CYCLE TIME: 1.0 USEC
 ADD TIME: .9 USEC
 CACHE MEMORY: .2KB
 # OF INSTRUCTIONS: 89
 INSTRUCTION TYPES (1): BIS/EF
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 5.8MB
 PROCESSOR FEATURES (3): CRME/
 INTERFACE SLOTS: 0

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- REAL TIME MNTN
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$30000, 32K
 MEMORY:
 SYSTEM: \$54000, 32K
 INCLUDES CPU AND #LA36 CONSOLE; 40MB DISK DRIVE; 45 IPS MAG TAPE; 300 LPM
 PRINTER; 300 CPM CARD READER; CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RK05, RP03
 FIXED HEAD DISK: RS11
 FLEXIBLE DISK: RX11
 MAGNETIC TAPE: TU10D
 TAPE CASSETTE: TA11
 LINE PRINTER: LS11, LP11
 SERIAL PRINTER: LA30
 CARD RD, PN: CR11, N/A
 PAPER TAPE RD, PN: PC05, N/A
 DISPLAY TERMINAL: VT50
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM: 16
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN IV
- PL1
- * RPG II
- OTHER: MUMPS II

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE DATASYSTEM 550 IS A MID-RANGE MEMBER OF THE DIGITAL DATASYSTEM 500 SERIES OF BUSINESS-ORIENTED MINICOMPUTERS. THE DATASYSTEM 500 IS BASED ON THE PDP-11/45 AND FEATURES TWO SINGLE-COLUMN UNIBUSES PLUS A HIGH-SPEED MEMORY BUS. THREE DIFFERENT OPERATING SYSTEMS ARE AVAILABLE. GENERALLY, SOFTWARE APPLICATIONS MUST BE DEVELOPED BY THE USER OR A SYSTEMS HOUSE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 128K CORE/HOS
 CYCLE TIME: 1.0 USEC
 ADD TIME: .9 USEC
 CACHE MEMORY: .2KB
 # OF INSTRUCTIONS: 89
 INSTRUCTION TYPES (1): BIS/EF
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 5.8MB
 PROCESSOR FEATURES (3): CRME/
 INTERFACE SLOTS: 0

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 32K
 MEMORY:
 SYSTEM: \$54000, 32K

INCLUDES CPU AND #LA36 CONSOLE; 40MB DISKS DRIVE; 45 IPS MAG TAPE; 300 LPM
 PRINTER; 300 CPM CARD READER; CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RK05, RP03
 FIXED HEAD DISK: RS11
 FLEXIBLE DISK: RX11
 MAGNETIC TAPE: TU10D
 TAPE CASSETTE: TA11
 LINE PRINTER: LS11, LP11
 SERIAL PRINTER: LA30
 CARD RD, PN: CR11, N/A
 PAPER TAPE RD, PN: PC05, N/A
 DISPLAY TERMINAL: VT50
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM: 32
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN IV
- PL1
- * RPG II
- OTHER: HUMPS II

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE DIGITAL DATASYSTEM 560 IS A MEMBER OF THE DATASYSTEM 500 FAMILY OF PACKAGED BUSINESS COMPUTERS DESIGNED FOR OEM'S IN BATCH, TIME-SHARING, AND DATA BASE APPLICATIONS. THE DATASYSTEM 560 IS BASED ON THE PDP-11/45 AND CAN BE USED FOR HEAVIER BATCH OPERATIONS THAN THE DATASYSTEMS 535, 540 AND 555 CAN HANDLE. THE DATASYSTEM 560 CAN SUPPORT UP TO 32 CONSECUTIVE USERS. THREE DIFFERENT OPERATING SYSTEMS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 126K CORE/MOS
 CYCLE TIME: 1.0 USEC
 ADD TIME: .9 USEC
 CACHE MEMORY: .2KB
 # OF INSTRUCTIONS: 89
 INSTRUCTION TYPES (1): BIS/EF
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 5.8MB
 PROCESSOR FEATURES (3): CRME/
 INTERFACE SLOTS: 0

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 32K
 MEMORY:
 SYSTEM: \$54000, 32K

INCLUDES CPU AND #1A36 CONSOLE; 40MB DISK DRIVE; 45 IPS MAG TAPE; 300 LPM PRINTER; 300 CPM CARD READER; CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RK05,RP03
 FIXED HEAD DISK: RS11
 FLEXIBLE DISK: RX11
 MAGNETIC TAPE: TU10D
 TAPE CASSETTE: TA11
 LINE PRINTER: LS11,LP11
 SERIAL PRINTER: LA30
 CARD RD,PN: CR11,N/A
 PAPER TAPE RD,PN: PC05,N/A
 DISPLAY TERMINAL: VT50
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM: 32
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN IV
- PL1
- * RPG II
- OTHER: HUMPS II

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Memory & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE DATASYSTEM 570 IS THE TOP OF THE DIGITAL DATASYSTEM FAMILY OF PACKAGED BUSINESS COMPUTER SYSTEMS DESIGNED FOR OEM'S IN DISTRIBUTED PROCESSING APPLICATIONS. THE 570 IS BASED UPON THE PDP-11/70 PROCESSOR, OFFERS TWICE THE USER CAPACITY OF THE DATASYSTEM 560 AND CAN HANDLE UP TO 63 USERS UNDER CTS-500/E-A TIME SHARING SOFTWARE PACKAGE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 128K CORE/MOS
 CYCLE TIME: 1.0 USEC
 ADD TIME: .9 USEC
 CACHE MEMORY: .2KB, 240NS
 # OF INSTRUCTIONS: 89
 INSTRUCTION TYPES (1): BIS/EP
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 5.8MB
 PROCESSOR FEATURES (3): CRME/
 INTERFACE SLOTS: 0

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$55300, 32K
 MEMORY:
 SYSTEM:

INCLUDES CPU AND #LA36 CONSOLE; 40MB DISK DRIVE; 45 IPS MAG TAPE; 300 LPM PRINTER; 300 CPM CARD READER; CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RK05,RP03
 FIXED HEAD DISK: RS11
 FLEXIBLE DISK: RX11
 MAGNETIC TAPE: TU10D
 TAPE CASSETTE: TA11
 LINE PRINTER: LS11,LP11
 SERIAL PRINTER: LA30
 CARD RD,PN: CR11,N/A
 PAPER TAPE RD,PN: PC05,N/A
 DISPLAY TERMINAL: VT50
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM: 63
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC
 COBOL
 * FORTRAN IV
 PL1
 * RPG II
 OTHER: HUMPS II

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1977, THE DECSYSTEM 20 IS A 36-BIT GENERAL PURPOSE LARGE-SCALE TIMESHARING COMPUTER SYSTEM. IT HANDLES INTERACTIVE TIMESHARING, MULTI-PROGRAMMING BATCH, AND TRANSACTION PROCESSING SIMULTANEOUSLY. THE OPERATING SYSTEM, TOPS-20, INCLUDES VIRTUAL MEMORY. A CHOICE OF PERIPHERAL AND PROGRAMMING LANGUAGES IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 36 BITS
 MEMORY: 64 TO 256K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS: 383
 INSTRUCTION TYPES (1): BFS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): F/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTER
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER: TOPS-20

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE: Y
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM: 64
 OTHER:

SOFTWARE LANGUAGES (*)

* APL
 * ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER: CPL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1967, THE 1040 IS THE SMALLEST CONFIGURATION OF THE DECSYSTEM-10 FAMILY OF COMPUTERS UTILIZING SINGLE AND DUAL PROCESSOR CONFIGURATIONS FOR MEDIUM TO LARGE-SCALE APPLICATIONS. FEATURES INCLUDE VECTORED AND PRIORITY INTERRUPTS AND MULTIPORT MEMORY. SOFTWARE SUPPORT INCLUDES A DATA BASE MANAGEMENT SYSTEM, AND APL AND ALGOL COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 64 TO 256K
 CYCLE TIME: .95 USEC
 ADD TIME: 2.65 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 366
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 7MB
 PROCESSOR FEATURES (3): CFPVME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 64K
- * MACRO ASSEM 64K
- * DISK MONITOR 64K
- * REAL TIME MNTR 64K
- * T/S MONITOR 64K
- * BATCH MONITOR 64K
- * DATA BASE SYS 128K
- OTHER:

PRICES

COMPUTER: \$140000, 128K
 MEMORY: \$70000, 128K
 SYSTEM: \$347000, 128K

INCLUDES 128K CPU; DISK (50-1960MB); MAG TAPE; ASYN CONTROLLER; SYSTEM SOFTWARE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RPOX
 FIXED HEAD DISK: RH504
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: TU10, TU70
 TAPE CASSETTE: N/A
 LINE PRINTER: LSP-10V, LP10F
 SERIAL PRINTER: N/A
 CARD RD, PN: N/A, N/A
 PAPER TAPE RD, PN: CR10-E; CP10-D
 DISPLAY TERMINAL: VT5X
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL96K
- * ALGOL 96K
- * SINGLE BASIC 64K
- * MULTI BASIC 96K
- * COBOL 96K
- * FORTRAN 96K
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 245 (10/75)
 MAINTENANCE: ALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisyynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1971, THE 1060 IS A LARGE SCALE CONFIGURATION IN THE DECSYSTEM-10 FAMILY OF GENERAL PURPOSE COMPUTERS. FEATURES INCLUDE VIRTUAL MEMORY, MEMORY PROTECTION, AND VECTORED AND PRIORITY INTERRUPTS. SOFTWARE SUPPORT INCLUDES A MESSAGE CONTROL SYSTEM AND THE MULTI-PURPOSE TOPS-10 OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 256K
 CYCLE TIME: .95 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 378
 INSTRUCTION TYPES (1): BEFINS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 7MB
 PROCESSOR FEATURES (3): CDFVRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 128K
- * MACRO ASSEM 128K
- * DISK MONITOR 128K
- * REAL TIME MNTNR 128K
- * T/S MONITOR 128K
- * BATCH MONITOR 128K
- * DATA BASE SYS 128K
- OTHER: MESSAGE CONTROL SYSTEM 128K

PRICES

COMPUTER: \$250000, 128K
 MEMORY: \$81500
 SYSTEM: \$457000, 128K
 INCLUDES CPU; DISK (50-1960KB); MAG TAPE; ASYNCHRONOUS CONTROLLER; TOPS 10 SYSTEM SOFTWARE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RP04, RP06
 FIXED HEAD DISK: RHS04
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: TU10, TU70, TU72
 TAPE CASSETTE: N/A
 LINE PRINTER: LSP-10V, LP10F, LP07
 SERIAL PRINTER: N/A
 CARD RD, PW: N/A; N/A
 PAPER TAPE RD, PW: CR10-E; CP10-D
 DISPLAY TERMINAL: VTSX
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL128K
- * ALGOL 128K
- * SINGLE BASIC 128K
- * MULTI BASIC 128K
- * COBOL 128K
- * FORTRAN 128K
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1974, THE 1080 IS A LARGE SCALE CONFIGURATION IN THE DECSYSTEM-10 FAMILY OF GENERAL PURPOSE COMPUTERS. FEATURES INCLUDE VIRTUAL MEMORY, A 9KB MOS CACHE MEMORY, AND A MEMORY CAPACITY EXPANDABLE TO 4096K WORDS. SOFTWARE SUPPORT INCLUDES A MESSAGE CONTROL SYSTEM AND THE MULTI-PURPOSE TOPS-10 OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 256 TO 4096K
 CYCLE TIME: .95 USEC
 ADD TIME: .52 USEC
 CACHE MEMORY: 9KB
 # OF INSTRUCTIONS: 386
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 9/5MB
 PROCESSOR FEATURES (3): CDFVRNE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 128K
- * MACRO ASSEM 128K
- * DISK MONITOR 128K
- * REAL TIME MNTR 128K
- * T/S MONITOR 128K
- * BATCH MONITOR 128K
- * DATA BASE SYS 128K
- OTHER: MESSAGE CONTROL SYSTEM 128K

PRICES

COMPUTER: \$375000, 256K
 MEMORY: \$81500
 SYSTEM: \$680000, 256K
 INCLUDES CPU; DISK (50-1960MB); MAG TAPE; ASYNCHRONOUS CONTROLLER; TOPS 10 SYSTEM SOFTWARE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RP04, RP06
 FIXED HEAD DISK: RHS04
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: TU10, TU70, TU72
 TAPE CASSETTE: N/A
 LINE PRINTER: LSP-10V, LP10F, LP07
 SERIAL PRINTER: N/A
 CARD RD, PN: N/A; N/A
 PAPER TAPE RD, PN: CR10-E; CP10-D
 DISPLAY TERMINAL: VT5X
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL128K
- * ALGOL 128K
- * SINGLE BASIC 128K
 MULTI BASIC
- * COBOL 128K
- * FORTRAN 128K
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 210 (10/75)
 MAINTENANCE: ALL
 HAITENANCE: ALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1976, THE DECSYSTEM 1088 IS A MULTIPROCESSOR SYSTEM WHICH CONSISTS OF A DECSYSTEM 1080 COMPUTER WITH AN ADDITIONAL 1080 CPU SHARING THE SAME MEMORY, HARDWARE AND SOFTWARE NECESSARY FOR DUAL PROCESSOR OPERATION. THE MAIN ADVANTAGE OF THE DUAL PROCESSING 1088 IS ITS ENHANCED THROUGHPUT CAPACITY. THE 1088 IS AVAILABLE WITH THE SAME SYSTEMS SOFTWARE LANGUAGES AND PERIPHERALS AS THE 1080. IN ADDITION, THE 1088 FEATURES EXTENSIVE APPLICATIONS SOFTWARE, DECIMAL ARITHMETIC, AUTODIAL, AND BASE ADDRESS RELOCATION.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 36 BITS
 MEMORY: 256 TO 4096K
 CYCLE TIME: .96 USEC
 ADD TIME: .52 USEC
 CACHE MEMORY: 18KB
 # OF INSTRUCTIONS: 386
 INSTRUCTION TYPES (1): BDFINS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMST/
 I/O TRANSFER RATE: 9.5MB
 PROCESSOR FEATURES (3): BCDFVRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 128K
- * MACRO ASSEM 128K
- * DISK MONITOR 128K
- * REAL TIME MNTN 128K
- * T/S MONITOR 128K
- * BATCH MONITOR 128K
- * DATA BASE SYS 128K
- OTHER: MESSAGE CONTROL SYSTEM 128K

PRICES

COMPUTER: \$750000, 128K
 MEMORY: \$81500, 128K
 SYSTEM: \$1055000, 256K
 INCLUDES TWO 128K CPUS; DISK (50-1960dB); MAGNETIC TAPE; ASYNCHRONOUS CONTROLLER;
 TOPS 10 SYSTEM SOFTWARE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #. Specs. N/A)

REMOVABLE DISK: RP04,RP06
 FIXED HEAD DISK: RHO4
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: TU10,TU16,TU70,TU72
 TAPE CASSETTE: N/A
 LINE PRINTER: LSP-10V,LP10F,LP07
 SERIAL PRINTER: N/A
 CARD RD,PN: N/A;N/A
 PAPER TAPE RD,PN: CR10-E,CP10-D
 DISPLAY TERMINAL: VT5X
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL128K
- * ALGOL 128K
- * SINGLE BASIC 128K
- * MULTI BASIC 128K
- * COBOL 128K
- * FORTRAN 128K
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 10 (08/76)
 MAINTENANCE: ALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE DECSYSTEM 2040 IS A SMALL GENERAL PURPOSE COMPUTER WHICH FEATURES A DEMAND PAGE SYSTEM DESIGNED EXCLUSIVELY TO FACILITATE VIRTUAL MEMORY OPERATION. DECSYSTEM 2040 CONSISTS OF A KL20 CENTRAL PROCESSOR AND A PDP-11/40 PROCESSOR DEDICATED TO UNIT-RECORD PERIPHERALS, CONSOLE OPERATIONS, TERMINAL COMMUNICATIONS AND DIAGNOSTICS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 256K
 CYCLE TIME: .95 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 378
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 7MB
 PROCESSOR FEATURES (3): CDFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER TOPS 20
- * MACRO ASSEM TOPS 20
- DISK MONITOR
- REAL TIME MNTR
- T/S MONITOR
- BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY: \$10000, 64K
 SYSTEM: \$250000, 64K
 INCLUDES 64K CPU; DISK (100MB); MAG TAPE (TU45); 8 ASYNCHRONOUS LINES; CONSOLE
 TERMINAL; TOPS 20 SOFTWARE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RP04,RP06
 FIRED HEAD DISK: RHS04
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: TU45
 TAPE CASSETTE: N/A
 LINE PRINTER: LSP-10V,LP10F,LP07
 SERIAL PRINTER: N/A
 CARD RD,PN: N/A;N/A
 PAPER TAPE RD,PN: CR10-E;CP10-D
 DISPLAY TERMINAL: VT5X
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL128K
- * ALGOL 128K
- * SINGLE BASIC 128K
- MULTI BASIC
- * COBOL 128K
- * FORTRAN 128K
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 40 (08/76)
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE ES570/W IS AT THE HIGH-END OF THE DIGITAL FAMILY OF EDUCATIONAL COMPUTER SYSTEMS. IT CONSISTS OF A PDP-11/70 PROCESSOR WITH 256K BYTES OF MEMORY, AND A NUMBER OF PERIPHERALS. SOFTWARE CONSISTS OF THE RSTS/E OPERATING SYSTEM, BASIC-PLUS-2, COBOL, RPG-II, FORTRAN IV, APL AND DECAL.

APPLICATION (*)

BUSINESS/COMMERCIAL
 COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 * EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: TO 256K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER: RSTS/E

PRICES

COMPUTER: \$SEE MPR
 MEMORY:
 SYSTEM: \$165060, 256K
 INCLUDES 256K CPU; 176MB DISK DRIVE; 9-TRACK MAGNETIC TAPE SYSTEM; 300 LPM
 PRINTER; DECWRITER II CONSOLE.

FEATURES (*)

* UPWARD COMPATIBLE
 FIELD SERVICE
 * APPLICATION SOFTWARE
 * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 176MB
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE: 9T
 TAPE CASSETTE:
 LINE PRINTER: 300 LPM
 SERIAL PRINTER: DECWRITER II
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

* APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER: DECAL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1976, THE PDP-11/55 IS AN ADVANCED VERSION OF THE PDP-11/45. IT HAS ALL THE FEATURES AND CHARACTERISTICS OF THE 11/45 WITH THE EXCEPTION OF MEMORY CAPACITY AND FLOATING POINT ARITHMETIC. THE 11/55 HAS EXTENDED FLOATING POINT PRECISION WHICH GIVES THE SCIENTIST/ENGINEER A POWERFUL TOOL WITH WHICH HE CAN HANDLE DIFFICULT NUMERICAL COMPUTATIONS WHILE RETAINING ALL THE FEATURES (INCLUDING MULTITASKING AND MULTIPROGRAMMING) OF A GENERAL-PURPOSE COMPUTER.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 124K
 CYCLE TIME: .9/.49/.3 USEC
 ADD TIME: .9/.3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 400+
 INSTRUCTION TYPES (1): BDEIMS/F
 ACCUMULATORS: 0
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): /ABDST
 I/O TRANSFER RATE: 3.8MB
 PROCESSOR FEATURES (3): CFVRE/BDM
 INTERFACE SLOTS: 3

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTFR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$50400, 32K
 MEMORY: \$5390, 16K
 SYSTEM: \$70405, 32K
 INCLUDES 32K CPU; #LA36 DECWRITER TERMINAL; TWO CARTRIDGE DISKS (5MB TOTAL).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RK05,RP04,RP06
 FIXED HEAD DISK: RS03,RS04
 FLEXIBLE DISK: RX11
 MAGNETIC TAPE: TU16,TU56,TU10,TS03
 TAPE CASSETTE: TA11
 LINE PRINTER: LP11,LV11
 SERIAL PRINTER: LA36,LA180,LA37
 CARD RD,PN: CR11,CD11,CM11;N/A
 PAPER TAPE RD,PN: PC11
 DISPLAY TERMINAL: VT50,VT55,VT11,VS60
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER: COMM INTERFACE

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER: FORTRAN IV+

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE PDP-11/70 IS A GENERAL PURPOSE COMPUTER CAPABLE OF CONCURRENT BATCH, REAL TIME, AND TIME SHARING PROCESSING. HARDWARE FEATURES INCLUDE AN INTEGRAL CACHE MEMORY, A VECTORED INTERRUPT SYSTEM, A 32-BIT INTERNAL DATA PATH, AND UNIBUS ARCHITECTURE. AVAILABLE SOFTWARE INCLUDES A MULTI-PROGRAMMING MULTI-PACKING OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 2000K
 CYCLE TIME: .3 USEC
 ADD TIME: .3 USEC
 CACHE MEMORY: .2KB, 240NS
 # OF INSTRUCTIONS: 400+
 INSTRUCTION TYPES (1): BEIMS/F
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ADS/B
 I/O TRANSFER RATE: 5.8MB
 PROCESSOR FEATURES (3): CFVRME/
 INTERFACE SLOTS: 9

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 64K
- * MACRO ASSEM 64K
- * DISK MONITOR 64K
- * REAL TIME MNTR 64K
- * T/S MONITOR 64K
- * BATCH MONITOR 64K
- DATA BASE SYS
- OTHER: MULTI-PROGRAMMING, TASKING SY

PRICES

COMPUTER: \$63000, 64K
 MEMORY: \$18590, 64K
 SYSTEM: \$146980, 64K
 INCLUDES 128K CPU; #LA36 DECRYPTER TERMINAL; MAG TAPE UNIT (1600/800 BPI); DISK
 PACK 188HB)

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: RK611, RK11, BWPOX
 FIXED HEAD DISK: RWS03, RWS04
 FLEXIBLE DISK: BX11
 MAGNETIC TAPE: TC11, TMB11, TWU16
 TAPE CASSETTE: TA11
 LINE PRINTER: LP11, LA11
 SERIAL PRINTER: LA36
 CARD RD, PN: CR11, CD11, CH11; N/A
 PAPER TAPE RD, PN: PC11
 DISPLAY TERMINAL: VT52, VT61D
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- * SINGLE BASIC 64K
- * MULTI BASIC 64K
- * COBOL 64K
- * FORTRAN 64K
- PL1
- RPG
- OTHER: FORTRAN 4+

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE VAX-11/780 IS A 32-BIT COMPUTER SYSTEM DESIGNED AS AN EXTENSION OF THE PDP-11 LINE FOR BUSINESS, COMMUNICATIONS, INDUSTRIAL, LABORATORY, COMPUTATIONAL, AND EDUCATIONAL APPLICATIONS. THE VAX-11/780 FEATURES COMPATIBILITY WITH ALL MEMBERS OF THE PDP-11 FAMILY, 4.3 BILLION BYTES OF VIRTUAL MEMORY, UP TO 2 MILLION BYTES OF MAIN MEMORY, AND THE VIRTUAL MEMORY OPERATION SYSTEM (VMS). SOFTWARE SUPPORT INCLUDES FORTRAN-IV PLUS, BASIC-PLUS-2, AND COBOL. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 128 TO 2000K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: 8KB
 # OF INSTRUCTIONS: 243
 INSTRUCTION TYPES (1): BDFIS/H
 ACCUMULATORS:
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ADS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): CFVRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MMTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$5EE MFR
 MEMORY:
 SYSTEM: \$128000

INCLUDES 128K CPU; 30 CPS LA36 DECWRITER II; 2 RK06 14MB DISK DRIVES; VAX/VMS OPERATING SYSTEM; MULTIPLEXOR WITH 8 EIA CONNECTIONS.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RPO6, RMO3
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: TE16; TE15
 TAPE CASSETTE: YES
 LINE PRINTER: YES
 SERIAL PRINTER: LA36
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER: 1 UNI, 4 MASS ADAPTER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

FOUR-PHASE SYSTEMS: IV/70

INTRODUCED IN 1971, THE SYSTEM IV/70 IS A DISPLAY-ORIENTED, 24-BIT MINICOMPUTER DESIGNED FOR A RANGE OF BUSINESS AND INDUSTRIAL APPLICATIONS FOR OEM AND END-USERS. FEATURES INCLUDE A MOS/LSI CPU AND MEMORY, TURNKEY SOFTWARE WHICH INCLUDES DATA ENTRY, WORD PROCESSING, AND SIMULATION PROGRAMS FOR THE IBM 3270 AND 2260/2848 DISPLAY SYSTEMS, SUPPORTS UP TO 32 CRTS, AND CAN INTERFACE DIRECTLY TO AN IBM SYSTEM/360 OR 370.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 8 TO 96K LSI
 CYCLE TIME: 2.0 USEC
 ADD TIME: 16 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 119/126
 INSTRUCTION TYPES (1): BFIM/DS
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): D/AB
 I/O TRANSFER RATE: .38MB
 PROCESSOR FEATURES (3): CVREK/
 INTERFACE SLOTS: 8

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 8K
- MACRO ASSEM
- * DISK MONITOR 8K
- REAL TIME MONTR
- T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 72K
 MEMORY:
 SYSTEM: \$SEE MFR, 72K
 INCLUDES 48K CPU; DISK STORAGE (2.5 MB); 42 CRT'S; 9 TRACK MAG TAPE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 82X0
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 290KB
 MAGNETIC TAPE: 850Y
 TAPE CASSETTE: N/A
 LINE PRINTER: 8146,8148,8151
 SERIAL PRINTER: 8121,8131,8135
 CARD RD,PN: 8001/8003,N/A
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: ASYM,SYN
 TERMINALS/SYSTEM: 32
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL 16K
- FORTRAM
- PL1
- * RPG
- OTHER: DATA IV

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL
 TRACK MAG TAPE.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE FOUR-PHASE IV/90 IS DISTRIBUTED PROCESSING SYSTEM DESIGNED FOR HIGH VOLUME TRANSACTION PROCESSING IN THE OUTLYING LOCATIONS OF LARGE DECENTRALIZED ORGANIZATIONS. THE IV/90 SUPPORTS UP TO 32 VIDEO DISPLAYS AND IS SOFTWARE COMPATIBLE WITH EARLIER FOUR-PHASE COMPUTERS. THE SYSTEM IV/90 CAN ALSO COMMUNICATE WITH A HOST CPU ON OTHER REMOTE SYSTEMS AT SPEEDS OF UP TO 9600 BPS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 96 TO 192K LSI
 CYCLE TIME: 2 USEC
 ADD TIME: 4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 126
 INSTRUCTION TYPES (1): BFIH/D
 ACCUMULATORS: 5
 INDEX REGISTERS: 5
 I/O COMMUNICATIONS (2): /ABMT
 I/O TRANSFER RATE: .375MB
 PROCESSOR FEATURES (3): BCVREK/
 INTERFACE SLOTS: 8

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
MACRO ASSEM
DISK MONITOR
REAL TIME HNTR
T/S MONITOR
- * BATCH MONITOR
DATA BASE SYS
- OTHER: VISION

PRICES

COMPUTER: \$177510, 96K
 MEMORY: , 96K
 SYSTEM: \$SEE MFR
 INCLUDES 192K CPU; 67.5MB DISK DRIVE; 24 1152 CHARACTER DISPLAYS; 300 LPH
 PRINTER; #8437 INTELLIGENT COMMUNICATIONS CONTROLLER, 9-TRACK MAGNETIC TAPE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2.5-270MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 290KB
 MAGNETIC TAPE: 12.5-37.5IPS 7/9 TRK
 TAPE CASSETTE: N/A
 LINE PRINTER: 300-1800 LPM
 SERIAL PRINTER: 30-165 CPS
 CARD RD,PN: 300-600 CPM
 PAPER TAPE RD,PN: N/A
 DISPLAY TERMINAL: 1920 CHAR.
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM: 32
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 FORTRAN
 PL1
 * RPG
 OTHER: DATA IV

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL
 41152 CHARACTER DISPLAYS; 300 LPH
 9-TRACK MAGNETIC TAPE.

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1971, THE FOX 1 IS A PROCESS CONTROL SYSTEM DESIGNED TO COORDINATE CENTRAL PLANT SENSOR-BASED ACTIVITIES. FEATURES INCLUDE A VERSATILE INSTRUCTION SET, FLEXIBLE ADDRESSING TECHNIQUES, AND THE INTERSPEC COMMUNICATIONS UNIT WHICH INTERFACES UP TO 64 REMOTE INTERSPEC MODULES. IMPAC, AN INDUSTRIAL MULTILEVEL PROCESS ANALYSIS AND CONTROL PACKAGE, IS ALSO AVAILABLE.

APPLICATION (*)

- BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 65K CORE
 CYCLE TIME: .32 USEC
 ADD TIME: 1.92 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 217
 INSTRUCTION TYPES (1): BEFINS/
 ACCUMULATORS: 2
 INDEX REGISTERS: 6
 I/O COMMUNICATIONS (2): ABDS/T
 I/O TRANSFER RATE: 32.16MB
 PROCESSOR FEATURES (3): BCDPVRME/
 INTERFACE SLOTS: VARY

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: IMPAC, INREP, GNL1, OLP1

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2116
 FIXED HEAD DISK: 1111, 1110
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: OPTIONAL
 TAPE CASSETTE: N/A
 LINE PRINTER: 2711
 SERIAL PRINTER: 7510
 CARD RD, PN: 2523-B
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: 4110
 MULTIPLEXOR: A-D, D-A
 TERMINALS/SYSTEM:
 OTHER: INTERSPEC, AS REQD

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- COBOL
- * FORTRAN
- PLI
- RPG
- OTHER: MAX

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 44 (06/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE FACOM M-130 IS A 32-BIT COMPUTER SYSTEM DESIGNED FOR APPLICATIONS IN BUSINESS, COMMUNICATIONS, LABORATORY, ENGINEERING, AND EDUCATION. STANDARD FEATURES INCLUDE BYTE MANIPULATION, FLOATING POINT, AND POWER FAIL SAFE. SOFTWARE SUPPORT INCLUDES BASIC FOR SINGLE AND MULTI-USERS, ALGOL, COBOL, FORTRAN, PL1, AND RPG. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 128 TO 512K
 CYCLE TIME: 0.18 USEC
 ADD TIME: 3.6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 189
 INSTRUCTION TYPES (1): BDEFMS/
 ACCUMULATORS: 189
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

INCLUDES 128K CPU; 35MB DISK; 2 MAG TAPES; 1260 LPM LINE PRINTER; 600 CPM CARD READER; 100 CPM CARD PUNCH.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F467,F47X,F49X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F442,F443
 MAGNETIC TAPE: F603,F61X
 TAPE CASSETTE: F403,F404
 LINE PRINTER: F647,F65X
 SERIAL PRINTER: F798
 CARD RD,PN: F6XX/F6XX
 PAPER TAPE RD,PN: F749/F76X
 DISPLAY TERMINAL: F9525
 MULTIPLEXOR: F280X
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisyynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE FACOM M-140 IS A 32-BIT COMPUTER DESIGNED FOR COMMERCIAL, SCIENTIFIC, ENGINEERING, COMMUNICATIONS, AND EDUCATIONAL APPLICATIONS. THE MODEL FEATURES STANDARD BYTE MANIPULATION, FLOATING POINT, AND VECTORED IN-ENTRY INTERRUPT. SOFTWARE SUPPORT INCLUDES ALGOL, BASIC FOR SINGLE USERS, COBOL, FORTRAN, PL1, AND RPG. A WIDE VARIETY OF SYSTEM SOFTWARE AND PERIPHERALS IS ALSO AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 128 TO 1024K
 CYCLE TIME: 0.63 USEC
 ADD TIME: 2.31 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 189
 INSTRUCTION TYPES (1): BDFPHS/
 ACCUMULATORS: 189
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTB
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$58E MFR
 MEMORY:
 SYSTEM: \$58E MFR
 INCLUDES 256K CPU; DISK (400 MB); 2 MAG TAPES; 2 LINE PRINTERS (1260 LPH); CARD READER (1250 CFM); CARD PUNCH (100 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: F467, F47X, F49X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F442, F443
 MAGNETIC TAPE: F603, F61X
 TAPE CASSETTE: F403, F404
 LINE PRINTER: F647, F65X
 SERIAL PRINTER: F798
 CARD RD, PN: F6XX/F6GX
 PAPER TAPE RD, PW: F749/F76X
 DISPLAY TERMINAL: P9525
 MULTIPLEXOR: F280X
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE FACOM M-160 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE FACTORY MICROPROGRAMMING, VIRTUAL MEMORY, MEMORY PARITY AND STACK PROCESSING HARDWARE. SOFTWARE SUPPORT INCLUDES BASIC AND RPG COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 2000K
 CYCLE TIME: .47 USEC
 ADD TIME: 1.36 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 189
 INSTRUCTION TYPES (1): BDEFMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): CDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR OS IV/F4, F2, X8
 - * REAL TIME MNTOR OS IV/F4, F2, X8
 - * T/S MONITOR OS IV/F4, F2, X8
 - * BATCH MONITOR OS IV/F4, F2, X8
 - * DATA BASE SYS AIB
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 1000K
 MEMORY:
 SYSTEM: \$SEE MFR, 1000K
 INCLUDES 1MB CPU; DISK (800MB); SIX MAG TAPE; TWO LINE PRINTER (1600 LPM); CARD READER (1250 CPM); CARD PUNCH (250 CPM); CONSOLE DISPLAY; HARD COPY UNIT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: P47XB2
 FIXED HEAD DISK: DRUM P6625A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F611A/E, F6 10A1
 TAPE CASSETTE: N/A
 LINE PRINTER: F65XD
 SERIAL PRINTER: F798A
 CARD RD, PN: F668D, F671D; F690D
 PAPER TAPE RD, PN: F749F; F766A
 DISPLAY TERMINAL: F9525R
 MULTIPLEXOR: F280X
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL JIS
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: SL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bysynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE FACOM M-1605 IS A 32-BIT COMPUTER DESIGNED FOR BUSINESS, COMMUNICATIONS, EDUCATION, ENGINEERING, AND LABORATORY APPLICATIONS. STANDARD FEATURES INCLUDE FLOATING POINT, VECTOR-INTERRUPT, AND DYNAMIC PAGE RELOCATION. SOFTWARE SUPPORT INCLUDES ALGOL, BASIC FOR SINGLE USERS, COBOL, FORTRAN, PL1, AND RPG. A VARIETY OF SYSTEM SOFTWARE AND PERIPHERALS IS ALSO AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 2048K
 CYCLE TIME: 0.13 USEC
 ADD TIME: 1.7 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 189
 INSTRUCTION TYPES (1): BDFPMS/
 ACCUMULATORS: 189
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR
 INCLUDES 512K CPU; DISK (600 MB); 4 MAG
 READER (1250 CPM); CARD PUNCH (250 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: F467,F47X,F49X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F442,F443
 MAGNETIC TAPE: F603,F61X
 TAPE CASSETTE: F403,F404
 LINE PRINTER: F647,F65X
 SERIAL PRINTER: F798
 CARD RD,PN: F6XX/F6YX
 PAPER TAPE RD,PN: F749/F76X
 DISPLAY TERMINAL: F9525
 MULTIPLEXOR: F280X
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:
 TAPES; 2 LINE PRINTERS (1600 LPM); CARD

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE FACOM M-180 II IS A MEMBER OF THE FACOM FAMILY OF GENERAL PURPOSE COMPUTERS USED IN BUSINESS AND SCIENTIFIC APPLICATIONS. IT IS SIMILAR TO THE FACOM M-160 BUT HAS A LARGER MEMORY CAPACITY AND A FASTER DATA TRANSFER RATE. FEATURES INCLUDE MULTIPROCESSOR CAPABILITY, 8 OR 16K OF CACHE MEMORY, MEMORY PROTECTION AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM, AIM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 500 TO 4000K
 CYCLE TIME: .47 USEC
 ADD TIME: .46 USEC
 CACHE MEMORY: 16KB, 70NS
 # OF INSTRUCTIONS: 193
 INSTRUCTION TYPES (1): BDEPHS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 10MB
 PROCESSOR FEATURES (3): CDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR OS IV/F4, F2, X8
 - * REAL TIME MNTR OS IV/F4, F2, X8
 - * T/S MONITOR OS IV/F4, F2, X8
 - * BATCH MONITOR OS IV/F4, F2, X8
 - * DATA BASE SYS AIM
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 2000K
 MEMORY:
 SYSTEM: \$SEE MFR, 2000K

INCLUDES 2MB CPU; 1200 MB DISK; 6 MAG TAPES; 2 2000 LPM LINE PRINTERS; 2000 CPM CARD READER; 250 CPM CARD READER; CONSOLE DISPLAY; HARD COPY UNIT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F47XB2
 FIXED HEAD DISK: DRUM F6625A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F611A/E, F610A1
 TAPE CASSETTE: N/A
 LINE PRINTER: F65XD
 SERIAL PRINTER: F798A
 CARD RD, PH: P668D, F671D; F690D
 PAPER TAPE RD, PH: F749F; F766A
 DISPLAY TERMINAL: F9525R
 MULTIPLEXOR: F280X
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL JIS
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: LISP, SL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1974, THE FACOM M-190 IS A MEMBER OF THE FACOM SERIES OF COMPUTERS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES INCLUDE UP TO 16 MEGABYTES OF MEMORY, A DATA TRANSFER RATE OF 20MB, PRIORITY INTERRUPTS AND FLOATING POINT HARDWARE. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM, AIM, AND TWO FORTRAN COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 1024 TO 16K
 CYCLE TIME: .48 (32BYT) USEC
 ADD TIME: .06 USEC
 CACHE MEMORY: 16KB, 30NS
 # OF INSTRUCTIONS: 193
 INSTRUCTION TYPES (1): BDEFMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 20MB
 PROCESSOR FEATURES (3): CDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR OS IV/F4, F2, X8
 - * REAL TIME MONITOR OS IV/F4, F2, X8
 - * T/S MONITOR OS IV/F4, F2, X8
 - * BATCH MONITOR OS IV/F4, F2, X8
 - * DATA BASE SYS AIM
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 4000K
 MEMORY:
 SYSTEM: \$SEE MFR, 4000K
 INCLUDES 4MB CPU; DRUM (30MB); DISK (1600MB); 8 MAG TAPES; 2 LINE PRINTERS (2000 LPH); 2 CARD READER (2000 CPM); CARD PUNCH (250 CPM); CONSOLE DISPLAY; HARD COPY UNIT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F47XB2
 FIXED HEAD DISK: DRUM F6625A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F611A/B, F610A1
 TAPE CASSETTE: N/A
 LINE PRINTER: F65XD
 SERIAL PRINTER: F798
 CARD RD, PN: F668D, F671D; F690D
 PAPER TAPE RD, PN: F749F, F766A
 DISPLAY TERMINAL: F9525R
 MULTIPLEXOR: F280X
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL JIS
 - * FORTRAN HE, GE
 - * PL1
 - * RPG
- OTHER: SL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1968, THE FACOM 230/25 IS A MEMBER OF THE FACOM 230 FAMILY OF COMPUTERS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE MEMORY PARITY, OPTIONAL FLOATING POINT HARDWARE AND MEMORY PROTECTION. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM AND ALGOL AND FOCUS COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 128K
 CYCLE TIME: 1.5 USEC
 ADD TIME: 3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 84
 INSTRUCTION TYPES (1): I/BDEPM
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 1.3MB
 PROCESSOR FEATURES (3): FME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP,8K
 - * MACRO ASSEM FASP,8K
 - * DISK MONITOR BOS,6K
 - * REAL TIME MNTR BOS,12K
T/S MONITOR
 - * BATCH MONITOR BOS,6K
 - * DATA BASE SYS EPOCS,6K
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY:
 SYSTEM: \$SEE MFR, 64K
 INCLUDES 64K CPU; DRUM (1MB); DISK (34MB); 3 MAGNETIC TAPE DRIVES; LINE PRINTER (1890 LPH); CARD READER (800 CPH); KEYBOARD PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F472S,F462S
 FIXED HEAD DISK: DRUM F628K
 FLEXIBLE DISK: F441
 MAGNETIC TAPE: F608K,F603S/N
 TAPE CASSETTE: F403A2
 LINE PRINTER: F644,F642
 SERIAL PRINTER: F792
 CARD RD,PN: F664,F666
 PAPER TAPE RD,PN: F749E;F766A
 DISPLAY TERMINAL: F6221D
 MULTIPLEXOR: F1802L/M
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
SINGLE BASIC
MULTI BASIC
 - * COBOL BOS
 - * FORTRAN BOS
PL1
 - * RPG
- OTHER: FOCUS

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Slack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE FACOM 230/28 IS A MEMBER OF THE FACOM 230 FAMILY OF GENERAL PURPOSE COMPUTERS USED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES ARE A 128K MEMORY CAPACITY, MEMORY PROTECTION AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM-EPOCS, AND FORTRAN COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 128K
 CYCLE TIME: 1.4 USEC
 ADD TIME: 2.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 301
 INSTRUCTION TYPES (1): BDM/EF
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABDST
 I/O TRANSFER RATE: 1.8MB
 PROCESSOR FEATURES (3): DFMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
- * MACRO ASSEM FASP
- * DISK MONITOR BOS/VS
- * REAL TIME MNTR BOS/VS
- T/S MONITOR
- * BATCH MONITOR BOS/VS
- * DATA BASE SYS EPOCS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY:
 SYSTEM: \$SEE MFR, 64K
 INCLUDES 64K CPU; PAGE FILE UNIT (1MB); DISK (94MB); 2 MAGNETIC TAPE DRIVES;
 LINE PRINTER (900 LPM); CARD READER (600 CPM); CONSOLE DISPLAY.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: F472S-2, F472R-2
 FIXED HEAD DISK: PAGE FILE F421A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F612A, F603S, F603N
 TAPE CASSETTE: F403A2
 LINE PRINTER: F649A/B, F647G/H
 SERIAL PRINTER: F881A, F794A, F795B
 CARD RD, PN: F670B, F668G
 PAPER TAPE RD, PN: F749E, F766A
 DISPLAY TERMINAL: F6228
 MULTIPLEXOR: F1802H, F1801G
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL BOS
- SINGLE BASIC
- MULTI BASIC
- * COBOL BOS, JIS
- * FORTRAN -S, BOS
- PL1
- * RPG
- OTHER: TASK FORCE

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE FACOM 230/28S IS A GENERAL PURPOSE COMPUTER USED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE VIRTUAL MEMORY, MEMORY PARITY, AND OPTIONAL FLOATING POINT INSTRUCTIONS. SOFTWARE SUPPORT INCLUDES ALGOL AND RPG COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 64K
 CYCLE TIME: 1.5 USEC
 ADD TIME: 3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 101
 INSTRUCTION TYPES (1): BDIH/EF
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABDST
 I/O TRANSFER RATE: 1.3MB
 PROCESSOR FEATURES (3): DPRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
- * MACRO ASSEM FASP
- * DISK MONITOR BOS/VS
- * REAL TIME MNTR BOS/VS
- T/S MONITOR
- * BATCH MONITOR BOS/VS
- * DATA BASE SYS EPOCS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 48K
 MEMORY:
 SYSTEM: \$SEE MFR, 48K
 INCLUDES 48K CPU; PAGE FILE UNIT (1HB); DISK (35.4HB); 2 MAGNETIC TAPE DRIVES;
 LINE PRINTER (900 LPM); CARD READER (600 CPM); CONSOLE DISPLAY.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F472S-2, F472R-2
 FIXED HEAD DISK: PAGE FILE F422
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F612A, F603S, F603N
 TAPE CASSETTE: F403A2
 LINE PRINTER: F649A/B, F647G/H
 SERIAL PRINTER: F881A, F794A, F795B
 CARD RD, PR: F670B, F668G
 PAPER TAPE RD, PR: F749E, F766A
 DISPLAY TERMINAL: F622B
 MULTIPLEXOR: F1802M, F1801G
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL BOS
- SINGLE BASIC
- MULTI BASIC
- * COBOL BOS, JIS
- * FORTRAN -S, BOS
- PL1
- * RPG
- OTHER: TASK FORCE

MARKETING

MAIN MARKET:

UNITS SOLD:

MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1968, THE FACOM 230/35 IS A MEMBER OF THE FACOM 230 FAMILY OF GENERAL PURPOSE COMPUTERS. FEATURES INCLUDE A MEMORY EXPANDABLE TO 128K, 84 INSTRUCTIONS, ALGOL AND COBOL SOFTWARE SUPPORT AND A VARIETY OF PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 128K
 CYCLE TIME: .5 USEC
 ADD TIME: 1.3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 84
 INSTRUCTION TYPES (1):
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR BOS II
 - * REAL TIME MONTR BOS II
 - T/S MONITOR
 - * BATCH MONITOR BOS V
 - DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 96K
 MEMORY:
 SYSTEM: \$SEE MFR, 96K

INCLUDES 96K CPU; DRUM (1MB); DISK (34MB); 4 MAGNETIC TAPE DRIVES; LINE PRINTER 1890 LPM; CARD READER (800 CPM); KEYBOARD PRINTER (20 CPS).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: F472S, F462S
 FIXED HEAD DISK: DRUM F628R
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F603S/N
 TAPE CASSETTE: F403A2
 LINE PRINTER: F642, F647
 SERIAL PRINTER: F795A
 CARD RD, PM: F66X; N/A
 PAPER TAPE RD, PM: F749E; F766A
 DISPLAY TERMINAL: F6228A
 MULTIPLEXOR: F1802L/M
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL BOS II
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL BOS II
 - * FORTRAN BOS II
 - PL1
 - RPG
- OTHER: PUB

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1973, THE FACOM 230/38 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE A MEMORY EXPANDABLE TO 512K, VIRTUAL MEMORY, PRIORITY INTERRUPTS AND FLOATING POINT HARDWARE. SOFTWARE SUPPORT INCLUDES ALGOL AND RPG COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE, WHICH ARE COMPATIBLE WITH BOTH THE 38 AND 38S.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 96 TO 512K
 CYCLE TIME: .96 USEC
 ADD TIME: 2.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 123
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): CDFRHEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR OS II/VS
 - * REAL TIME MONTR OS II/VS;SOM
 - * T/S MONITOR OS II/VS;CPM
 BATCH MONITOR
 - * DATA BASE SYS INIS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 256K
 MEMORY:
 SYSTEM: \$SEE MFR, 256K
 INCLUDES 256K CPU; DISK (200MB); FOUR
 READER (600 CPM); KEYBOARD PRINTER (30

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #. Specs. N/A)

REMOVABLE DISK: F472L-2, F478A2/B2
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F612A, F603S, F610A
 TAPE CASSETTE: F403A2
 LINE PRINTER: F649A/B, F647G/H
 SERIAL PRINTER: F881A, F794A, F795B
 CARD RD, PN: F670E, F668G; F683G
 PAPER TAPE RD, PN: F749E; F766A
 DISPLAY TERMINAL: F6228
 MULTIPLEXOR: F1802L, F1802M, F1801G
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL OS II/VS, JIS
 - * FORTRAN -IVS
 - * PL1
 - * RPG
- OTHER: FAST

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:
 MAG TAPE; LINE PRINTER (630 LPM); CARD
 CPS); CONSOLE DISPLAY.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bysynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE FACOM 230/385 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE A MEMORY EXPANDABLE TO 256K, MEMORY PARITY AND MANY AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM, INIS, AND PL/1 AND RPG COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 96 TO 256K
 CYCLE TIME: .96 USEC
 ADD TIME: 2.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 123
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABDST
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): DFMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR OS II/VS
 - * REAL TIME MNTR OS II/VS:SOM
 - * T/S MONITOR OS II/VS:CPM
 BATCH MONITOR
 - * DATA BASE SYS INIS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 160K
 MEMORY:
 SYSTEM: \$SEE MFR, 160K

INCLUDES 160K CPU; DISK (200MB); 2 MAG TAPE DRIVES; LINE PRINTER (630 LPM); CARD READER (600 CPM); CONSOLE DISPLAY.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 472L-2, F478A2/B2
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F612A, F603S/N
 TAPE CASSETTE: F403A2
 LINE PRINTER: F649A/B, F647G/H
 SERIAL PRINTER: F881A, F794A, F795B
 CARD RD, PN: F670B, F668G
 PAPER TAPE RD, PN: F749E; F766A
 DISPLAY TERMINAL: F6228
 MULTIPLEXOR: F1802H, F1801G
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL OS II/VS, JIS
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bissynchronous
D = Direct Memory Access
M = Multiprot Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1971, THE FACOM 230/45S IS A GENERAL PURPOSE COMPUTER FEATURING A MEMORY EXPANDABLE TO 512K AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM, RAPID, AND ALGOL AND PL/1 COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 512K
 CYCLE TIME: .7 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 118
 INSTRUCTION TYPES (1):
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR OS II
 - * REAL TIME MNTN OS II
 - T/S MONITOR
 - * BATCH MONITOR OS II
 - * DATA BASE SYS RAPID
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 321K
 MEMORY:
 SYSTEM: \$SEE MFR, 321K
 INCLUDES 321K CPU; 300 MB DISK; 8 MAG TAPE DRIVES; 2 1890 LPM LINE PRINTERS;
 2000 CPM CARD READERS; 20 CPS KEYBOARD PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F477A, F47XA2
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F603S/M
 TAPE CASSETTE: F403A2
 LINE PRINTER: F642, F647
 SERIAL PRINTER: F795A
 CARD RD, PN: F670A, F668G; N/A
 PAPER TAPE RD, PN: F749E; F766A
 DISPLAY TERMINAL: F6228A
 MULTIPLEXOR: F1802L/M
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL OS II
 - * FORTRAN -IV S
 - * PL1
 - RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:
 INCLUDES 321K CPU; 300 MB DISK; 8 MAG TAPE DRIVES; 2 1890 LPM LINE PRINTERS;
 2000 CPM CARD READERS; 20 CPS KEYBOARD PRINTER.

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1973, THE FACOM 230/48 IS A MEMBER OF THE FACOM 230 FAMILY OF GENERAL PURPOSE COMPUTERS. FEATURES INCLUDE A MEMORY EXPANDABLE TO 1024K, MEMORY PARITY AND DECIMAL ARITHMETIC HARDWARE. SOFTWARE SUPPORT INCLUDES COBOL AND PL/1 COMPILERS. MANY PERIPHERALS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 1024K
 CYCLE TIME: .7 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 123
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): CDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
- * MACRO ASSEM FASP
- * DISK MONITOR OS II/VS
- * REAL TIME MSTR OS II/VS:SOM
- * T/S MONITOR OS II/VS:CPH
BATCH MONITOR
- * DATA BASE SYS INIS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 384K
 MEMORY:
 SYSTEM: \$SEE MFR, 384K
 INCLUDES 384K CPU; 200 MB DISK; 4 MAG TAPE DRIVES; 2 630 LPM LINE PRINTERS; 600 LPM CARD READER; 30 CPS PRINTER; CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F472L-2, F478A2/B2
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F603S, F61XA
 TAPE CASSETTE: F403A2
 LINE PRINTER: F649A/B, F647G/H
 SERIAL PRINTER: F881A, F794A, F795B
 CARD RD, PN: F670B, F668G; F683G
 PAPER TAPE RD, PN: F749E; F766A
 DISPLAY TERMINAL: F6228A
 MULTIPLEXOR: F1802L/H, F1801G
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
SINGLE BASIC
MULTI BASIC
- * COBOL OS II/VS:JIS
- * FORTRAN -IV S
- * PL1
- * RPG
- OTHER: FAST

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1971, THE FACOM 230/55 IS A GENERAL PURPOSE COMPUTER OF THE FACOM 230 FAMILY. FEATURES INCLUDE A MEMORY EXPANDABLE TO 2 MEGABYTES, 145 INSTRUCTIONS, AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES TWO FORTRAN COMPILERS AS WELL AS ALGOL, COBOL AND PL/1.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 2000K
 CYCLE TIME: .6 USEC
 ADD TIME: .3 (32BITS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 145
 INSTRUCTION TYPES (1):
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3):
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEMB FASP
 - * DISK MONITOR OS II
 - * REAL TIME MONITOR OS II
 - T/S MONITOR
 - * BATCH MONITOR OS II
 - * DATA BASE SYS RAPID
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 640K
 MEMORY:
 SYSTEM: \$SEE MFR, 640K

INCLUDES 640K CPU; 400 MB DISK; 8 MAGNETIC TAPE DRIVES; 2 1890 LPM LINE PRINTERS; 2000 CPM CARD READER; 250 CPM CARD PUNCH; CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F477A, F47XA2
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F603S/N
 TAPE CASSETTE: F403A2
 LINE PRINTER: F642, F647
 SERIAL PRINTER: F795A
 CARD RD, PN: F670A, F668G; F683G
 PAPER TAPE RD, PN: F749E; F766A
 DISPLAY TERMINAL: F6228A
 MULTIPLEXOR: F1802L/M
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL OS II
 - * FORTRAN -IV S, IV SE
 - * PL1
 - RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1973, THE FACOM 230/58 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE UP TO 2 MEGABYTES OF MEMORY, MULTIPROCESSOR CAPABILITY, PRIORITY INTERRUPTS AND STACK PROCESSING HARDWARE. SOFTWARE SUPPORT INCLUDES TWO FORTRAN COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 2000K
 CYCLE TIME: .6 (4BYTES) USEC
 ADD TIME: .3 (32BITS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 158
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): CDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
- * MACRO ASSEM FASP
- * DISK MONITOR OS II/VS
- * REAL TIME MNTN OS/VS:SOM
- * T/S MONITOR OS II/VS:CPM
BATCH MONITOR
- * DATA BASE SYS INIS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 640K
 MEMORY:
 SYSTEM: \$SEE MFR, 640K
 INCLUDES 640K CPU; 400 MB DISK; 4 MAGNETIC TAPE DRIVES; LINE PRINTER (630 LPM);
 CARD READER (2000 CPM); CARD PUNCH; KEYBOARD PRINTER (30 CPS); CONSOLE DISPLAY.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F472L-2, F478A2/B2
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: F441A
 MAGNETIC TAPE: F603S, F61XA
 TAPE CASSETTE: F403A2
 LINE PRINTER: F649A/B, F647G/H
 SERIAL PRINTER: F881A, F794A, F795B
 CARD RD, PN: F670B, F668G; F683G
 PAPER TAPE RD, PN: F749E; F766A
 DISPLAY TERMINAL: F6228A
 MULTIPLEXOR: F1802L/H, F1801G
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
SINGLE BASIC
MULTI BASIC
- * COBOL OS II/VS, JIS
- * FORTRAN -IV S, IV SE
- * PL1
- * RPG
- OTHER: PAST

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1965, THE FACOM 230/60 IS ONE OF THE ORIGINAL MEMBERS OF THE FACOM 230 SERIES OF COMPUTERS USED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE MULTIPROCESSOR CAPABILITY, A MEMORY EXPANDABLE TO 1024K, AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES ALGOL AND FORTRAN COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 32 TO 1024K
 CYCLE TIME: .92 USEC
 ADD TIME: 1.26 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCFRM/
 INTERFACE SLOTS: 18

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR M VI OS
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR M VI OS
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 128K
 MEMORY:
 SYSTEM: \$SEE MFR, 128K

INCLUDES 128K CPU; DRUM (2.56M); DISK (232MB); 6 MAG TAPE DRIVES; TWO LINE PRINTERS (500-1500 LPM); CARD READER (800 CPM); CONSOLE DISPLAY.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F472L-2
 FIXED HEAD DISK: DRUM F624K
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: F603M/M
 TAPE CASSETTE: N/A
 LINE PRINTER: F642K/L
 SERIAL PRINTER: F791A
 CARD RD,PN: F664K;F683K
 PAPER TAPE RD,PN: F749E;F766A
 DISPLAY TERMINAL: F6221D
 MULTIPLEXOR: F1802L/M
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - RPG
- OTHER: BACCUS

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bitsynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1970, THE FACOM 230/75 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES INCLUDE 2 OR 4K WORDS OF CACHE MEMORY, MEMORY PARITY, PRIORITY INTERRUPTS AND STACK PROCESSING INSTRUCTIONS. SOFTWARE SUPPORT INCLUDES A DISK AND BATCH OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 64 TO 1024K
 CYCLE TIME: 1 USEC
 ADD TIME: .108 USEC
 CACHE MEMORY: 2-4KB, 45NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS: 12
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 2.8MB
 PROCESSOR FEATURES (3): BCFRHE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER FASP
 - * MACRO ASSEM FASP
 - * DISK MONITOR M VII OS
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR M VII OS
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 1000K
 MEMORY:
 SYSTEM: \$SEE MFR, 1000K

INCLUDES 1MB CPU; DRUM (6MB); DISK (1600MB); 8 MAG TAPE DRIVES; TWO LINE PRINERS (630-1890 LPM); CARD READER (2000 CPM); CARD PUNCH (250 CPM); CONSOLE DISPLAY.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: F47XB2
 FIXED HEAD DISK: DRUM F662I
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: F611A/E, F610A1
 TAPE CASSETTE: F403A2
 LINE PRINTER: 647G/H
 SERIAL PRINTER: F794A
 CARD RD, PN: F668G; F683G
 PAPER TAPE RD, PN: F749E; F766A
 DISPLAY TERMINAL: F6228A
 MULTIPLEXOR: F1802L, M
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - RPG
- OTHER: BACCUS SPL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE U-400 IS THE LARGEST OF THE PANAFACOM SERIES OF GENERAL PURPOSE COMPUTERS USED FOR SCIENTIFIC AND BUSINESS APPLICATIONS. FEATURES INCLUDE FACTORY MICROPROGRAMMING, A REAL TIME CLOCK, HARDWARE MULTIPLY AND DIVIDE INSTRUCTIONS AND MEMORY PROTECTION. A VARIETY OF PERIPHERALS AND SOFTWARE PACKAGES IS AVAILABLE

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 128K
 CYCLE TIME: .65,.75 USEC
 ADD TIME: .8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 94
 INSTRUCTION TYPES (1): BEIM/F
 ACCUMULATORS: 8
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): DS/ABT
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): CFRME/
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 32K
 - * MACRO ASSEM 32K
 - * DISK MONITOR 32K
 - * REAL TIME MNTR 32K
 - * T/S MONITOR 32K
 - * BATCH MONITOR 32K
 - DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$35000, 32K
 MEMORY: \$8300, 16K
 SYSTEM: \$60000, 32K
 INCLUDES 32K CPU; DISK (1MB); PAPER TAPE READER/PUNCH.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2.49-10MB
 FIXED HEAD DISK: .25-1MB
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: PF7025A, PF7026A
 TAPE CASSETTE: 200KB
 LINE PRINTER: 160-900 LPM
 SERIAL PRINTER: N/A
 CARD RD,PN: 100-600 CPM; 30 CPM
 PAPER TAPE RD,PN: 1200 CPS; 200 CPS
 DISPLAY TERMINAL: 1000-1920 CPS
 MULTIPLEXOR: ASYN, SYN, A-D
 TERMINALS/SYSTEM:
 OTHER: OMR, OCR, CRT, PLOT.

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 32K
 * MULTI BASIC 32K
 * COBOL 32K
 * FORTRAN 32K
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1975, THE GEC 4070 IS A REAL TIME COMPUTER FOR BUSINESS AND PROCESS CONTROL APPLICATIONS. FEATURES INCLUDE DYNAMIC PAGE RELOCATION, MEMORY PROTECTION, BYTE MANIPULATION, FLOATING POINT INSTRUCTIONS, AND A 256K MEMORY CAPACITY. EXTENSIVE SOFTWARE AND PERIPHERALS DEVICES ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 512K CORE
 CYCLE TIME: .8 USEC
 ADD TIME: .16 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 160
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ABDMST/
 I/O TRANSFER RATE: .9/1.5MB
 PROCESSOR FEATURES (3): BCDPVRNE/
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER: ARCHIVING/FETCH UTILITIES

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #. Specs. N/A)

REMOVABLE DISK: 35MB,70MB,4.8MB
 FIXED HEAD DISK: .5,1,2MB,4.8MB
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 9 TRACK,800/1600BPPT
 TAPE CASSETTE: .75MB
 LINE PRINTER: 300,600,1250 LPM
 SERIAL PRINTER: 165 CPS
 CARD RD,PN: 286,600 CPM,N/A
 PAPER TAPE RD,PN: 150/500CPS
 DISPLAY TERMINAL: 2K CPS
 MULTIPLEXOR: ASYN,A-D
 TERMINALS/SYSTEM:
 OTHER: GRAPHIC,CAMAC

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: CORAL-66,CATY,BCPL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 35 (11/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE GEC 4080 IS A MODULAR, REAL TIME COMPUTER FOR PROCESS CONTROL APPLICATIONS. FEATURES INCLUDE A MICROPROGRAMMED READ-ONLY CONTROL MEMORY, FLOATING POINT HARDWARE AND UP TO 256 INTERRUPT LEVELS. EXTENSIVE PERIPHERALS AND SOFTWARE ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 256K CORE
 CYCLE TIME: .55 USEC
 ADD TIME: .1 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 160
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ABDHST/
 I/O TRANSFER RATE: .9/2.5MB
 PROCESSOR FEATURES (3): BCDPVRHE/
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME HNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: EXT PROCESS CONTROL SOFTWARE

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 4.8, 35, 70MB
 FIXED HEAD DISK: .5, 1, 2.4.8MB
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 9 TRACK, 800/1600BPI
 TAPE CASSETTE: .75KB
 LINE PRINTER: 300, 600, 1250
 SERIAL PRINTER: 165 CPS
 CARD RD, PN: 286/600 CPM; N/A
 PAPER TAPE RD, PN: 150/500CPS
 DISPLAY TERMINAL: 2K CPS
 MULTIPLEXOR: ASYM, A-D
 TERMINALS/SYSTEM:
 OTHER: GRAPHIC, CAHAC

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - RPG
- OTHER: CORAL-66, CATY, BCPL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 90 (12/77)
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE GEC 4082 IS THE LARGEST CURRENT UNIT IN THE ESTABLISHED GEC 4000 SERIES FOR REAL-TIME BUSINESS AND PROCESS CONTROL APPLICATIONS. THE 4082 INCLUDES A FOUR-WAY INTERLEAVED STORE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 1000K
 CYCLE TIME: .58 USEC
 ADD TIME: .12 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS: 160
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: .9/2MB
 PROCESSOR FEATURES (3): BCDVFRME/
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNT
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: ARCHIVING/FETCH SEQUENTIAL

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 4.8, 35, 70
 FIXED HEAD DISK: .5, 1, 2, 4.8
 FLEXIBLE DISK: NO
 MAGNETIC TAPE: 800/1600 BPI
 TAPE CASSETTE: .75MB
 LINE PRINTER: 300, 600, 1250 LPM
 SERIAL PRINTER: 165 CPS
 CARD RD, PN: 286, 600
 PAPER TAPE RD, PN: 500/150
 DISPLAY TERMINAL: 2000
 MULTIPLEXOR: ASYN, A TO D
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: CORAL 66, CATY, BCPL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 10 (12/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE GCS 2100 IS A LARGE-SCALE DATA-ENTRY COMPUTER SYSTEM. IT COLLECTS SOURCE DATA FROM LOCAL AND REMOTE KEYBOARD TERMINALS AND OTHER INPUT DEVICES. UP TO 64 DATA TERMINALS CAN BE SUPPORTED. THE SOFTWARE SYSTEM FEATURES A FLEXIBLE JOB-FORMATTING CAPABILITY, AND A SPECIAL EDIT LIBRARY, THE LATTER OF WHICH HAS OVER 100 APPLICATION-ORIENTED ROUTINES TO PROVIDE THE USER WITH A CUSTOMIZED SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER: DEAL

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD, PN:
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM: 64
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Slack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975 THE SLASH 7 IS A 24-BIT, REAL TIME MINICOMPUTER USED FOR CONCURRENT TIME SHARING, REAL TIME AND BATCH SCIENTIFIC PROCESSING APPLICATIONS. FEATURES INCLUDE INTERLEAVED CORE MEMORY, HARDWARE MULTIPLY AND DIVIDE INSTRUCTIONS, AND OPTIONAL MULTIPORT MEMORY. THE EXTENSIVE SYSTEMS SOFTWARE INCLUDES DOS (BATCH) AND DMS (REAL TIME). A VARIETY OF PERIPHERALS AND SOFTWARE LANGUAGES IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 96 TO 768K CORE
 CYCLE TIME:
 ADD TIME: .58 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 120
 INSTRUCTION TYPES (1): BEIM/F
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /ABDMS
 I/O TRANSFER RATE: 15MB
 PROCESSOR FEATURES (3): VRE/CFM
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * I/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER: RJE, I/O SPOOLING

PRICES

COMPUTER: \$55000, 96K
 MEMORY: \$30000, 96K, #703
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 62XX,66XX,4100
 TAPE CASSETTE:
 LINE PRINTER: 4000 SERIES
 SERIAL PRINTER: YES
 CARD RD,PN: 3110,3120,3130,N/A
 PAPER TAPE RD,PN: YES;YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: PRINTER/PLOTTER

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: SNOBAL IV, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE HARRIS SYSTEM 110 IS THE ENTRY-LEVEL SYSTEM IN THE HARRIS SERIES 100. IT IS THE UPWARD-COMPATIBLE BUILDING BLOCK FROM WHICH LARGER, MORE POWERFUL SYSTEMS MAY BE CONFIGURED. THE 110 IS A GENERAL PURPOSE REAL TIME COMPUTER PROVIDING MULTI-USE CAPABILITY FOR THE BUSINESS, SCIENTIFIC, OR EDUCATIONAL USER.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 96 TO 768K CORE
 CYCLE TIME: .75 USEC
 ADD TIME: .75 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 120/47
 INSTRUCTION TYPES (1): BEIM/F
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): DFVRE/CM
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: RJE

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$7000, 24K, \$401
 SYSTEM: \$85000, 95K, \$110
 INCLUDES 96K CPU; CARTRIDGE DISK (10.8MB); H. TAPE; CONSOLE CRT W/KEYBOARD;
 COMMUNICATIONS MULTIPLEXER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 55XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 62XX, 66XX, 4100
 TAPE CASSETTE: N/A
 LINE PRINTER: 4000 SERIES
 SERIAL PRINTER: 2210
 CARD RD, PW: 3110, 3120, 3130; N/A
 PAPER TAPE RD, PW: 2030
 DISPLAY TERMINAL: 8610
 MULTIPLEXOR: SYN, ASYN, A-D
 TERMINALS/SYSTEM:
 OTHER: PRINTER/PLOTTER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER: SNOBOL IV, FORGO

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE HARRIS SYSTEM 115 IS A MEMBER OF THE HARRIS 100 SERIES OF 24-BIT MINICOMPUTERS. THE SYSTEM 115 IS SUITED FOR DISTRIBUTED PROCESSING APPLICATIONS, AND CAN HANDLE UP TO 8 TERMINAL USERS AT THE SAME TIME. IT FEATURES VIRTUAL MEMORY AND HAS A COMMUNICATIONS MULTIPLEXER. A VARIETY OF SOFTWARE LANGUAGES AND PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 48 TO 64K
 CYCLE TIME: .300 USEC
 ADD TIME: .600 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS: 12-0
 INSTRUCTION TYPES (1): BEIMS/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): AS/B
 I/O TRANSFER RATE: 7.0MB
 PROCESSOR FEATURES (3): BFVRMEK/C
 INTERFACE SLOTS: 10

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE HOST & REMOTE

PRICES

COMPUTER: \$5EE MFR
 MEMORY: \$5500, 48K
 SYSTEM: \$85000, 144K

INCLUDES 144K MEMORY; CRT CONSOLE; 10MB CARTRIDGE DISK; 9 TRACK 800 BPI MAGNETIC TAPE UNIT; COMMUNICATIONS MULTIPLEXER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 40/80/150/300MB
 FIXED HEAD DISK: .537-2.15MB
 FLEXIBLE DISK: 310KB
 MAGNETIC TAPE: 320KBPS/200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 300/600/800 LPH
 SERIAL PRINTER: 10 CPS, 30 CPS
 CARD RD, PW: 300/600/800 LPH
 PAPER TAPE RD, PW: 300/75 CPS
 DISPLAY TERMINAL: 1920 CPS
 MULTIPLEXOR: SYNC, ASYNC
 TERMINALS/SYSTEM: 8
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SNOBOL, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE HARRIS SYSTEM 120 IS COMPUTER SYSTEM CONFIGURED FOR GENERAL SCIENTIFIC AND REAL-TIME PROCESSING IN A MULTI-TERMINAL, TIME SHARING ENVIRONMENT. THE SYSTEM 120 MAY BE USED IN A DISTRIBUTED PROCESSING NETWORK AND CAN SUPPORT UP TO 16 TERMINALS. A DMA COMMUNICATIONS MULTIPLEXOR AND THE VULCAN VIRTUAL MEMORY ARE STANDARD FEATURES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 192 TO 768K CORE
 CYCLE TIME: .75 USEC
 ADD TIME: .75 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 120/47
 INSTRUCTION TYPES (1): BEIM/F
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/EM
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): DFVRE/CM
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: VULCAN,RJE

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$7000, 24K, #401
 SYSTEM: \$125000, #120
 INCLUDES 192K CPU; 10.8MB CART DISK; MAG TAPE DRIVE; 300 LPH PRINTER; 300 CPM CARD READER; CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 55XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 62XX,66XX,4100
 TAPE CASSETTE: N/A
 LINE PRINTER: 4000 SERIES
 SERIAL PRINTER: 2210
 CARD RD,PN: 3110,3120,3130;N/A
 PAPER TAPE RD,PN: 2030
 DISPLAY TERMINAL: 8610
 MULTIPLEXOR: SYN,ASYN,A-D
 TERMINALS/SYSTEM: 16
 OTHER: PRINTER/PLOTTER

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: SNOBOL IV,FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE HARRIS SYSTEM 125 IS A MEMBER OF THE 24-BIT SERIES 100 COMPUTER LINE, AND CAN SUPPORT A VARIETY OF SCIENTIFIC AND COMMERCIAL APPLICATIONS. IT OFFERS VIRTUAL MEMORY IN A MULTI-USER ENVIRONMENT. THE VULCAN OPERATING SYSTEM HANDLES MULTI-TASK, INTERACTIVE TERMINAL TIME-SHARING OPERATIONS, AS WELL AS REMOTE JOB ENTRY, REAL-TIME RUNS, AND MULTI-STREAM BATCH EXECUTIONS. THE CPU COMES WITH 144K BYTES MOS MEMORY AND A CHOICE OF PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 144 TO 208K
 CYCLE TIME: .300 USEC
 ADD TIME: .600 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS: 120
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 7.0MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE HOST & REMOTE

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$5500, 48K
 SYSTEM: \$100000, 144K
 INCLUDES 144KB MOS MEMORY; CRT CONSOLE;
 TAPE UNIT; DMA COMMUNICATIONS PROCESSOR.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 40/80/150/300 MB
 FIXED HEAD DISK: .537-2.15 MB
 FLEXIBLE DISK: 310 KB
 MAGNETIC TAPE: 320 KBPS, 200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 300/600/900 LPM
 SERIAL PRINTER: 10 CPS, 30 CPS
 CARD RD, PN: 300/600/1000 CPM
 PAPER TAPE RD, PN: 300/75 CPS
 DISPLAY TERMINAL: 120
 MULTIPLEXOR: SYNC, ASYNC
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 PLI
 * RPG
 OTHER: SNOBOL, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL
 10 MB CARTRIDGE DISK; 9 TRACK MAGNETIC

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

THE HAPRIS 130 IS A 24-BIT MINICOMPUTER DESIGNED FOR COMMERCIAL AND SCIENTIFIC APPLICATIONS AS WELL AS FOR USE IN ENGINEERING AND COMPUTATION. THE MODEL FEATURES OPTIONAL REAL TIME CLOCK AND FLOATING POINT, AND STANDARD BYTE MANIPULATION AND INDIRECT ADDRESSING. SOFTWARE SUPPORT INCLUDES BASIC FOR MULTI-USERS, COBOL, FORTRAN, RPG, AND SNOBOL IV. A WIDE VARIETY OF SYSTEM PERIPHERALS AND SOFTWARE IS ALSO AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 96 TO 256K CORE
 CYCLE TIME: .75 USEC
 ADD TIME: .75 USEC
 CACHE MEMORY: N/A
 * OF INSTRUCTIONS: 120
 INSTRUCTION TYPES (1): BEIMS/F
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): BDFVME/C
 INTERFACE SLCTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * I/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE HOST & REMOTE

PRICES

COMPUTER: \$5EE MFR
 MEMORY: \$7000, 24K
 SYSTEM: \$155000, 288K, #130
 INCLUDES 128K CPU; 40MB DISK; MAG TAPE;
 CRT; MULTIPLEXOR; SOFTWARE LIBRARY.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 40/80/150/300 MB
 FIXED HEAD DISK: .537-2.15 MB
 FLEXIBLE DISK: 310 KB
 MAGNETIC TAPE: 320 KBPS/200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 300/600/900 LPM
 SERIAL PRINTER: 10 CPS/30 CPS
 CARD RD,PN: 300/600/1000 CPM
 PAPER TAPE RD,PN: 300/75 CPS
 DISPLAY TERMINAL: 1920 CPS
 MULTIPLEXOR: SYNC/ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SNOBOL IV, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SCLD:
 MAINTENANCE: ON CALL
 300 LPM PRINTER; 300 CPM CARD READER;

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE HARRIS SYSTEM 135 IS A MEMBER OF THE HARRIS SERIES 100 FAMILY OF 24-BIT COMPUTERS. THE SYSTEM 135 IS CAPABLE OF SUPPORTING OVER 50 INTERACTIVE TERMINALS AND LARGE DATA BASES. REAL MEMORY IS EXPANDABLE TO 768K BYTES THE SYSTEM 135 USES THE VULCAN OPERATING SYSTEM FOR MULTIPLE, CONCURRENT, INTERACTIVE PROCESSES, FOR MULTI-STREAM BATCH, INTERACTIVE TERMINAL TIMESHARING, AND MULTIPLE REMOTE JOB ENTRY OPERATIONS. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 128 TO 768K
 CYCLE TIME: .300 USEC
 ADD TIME: .600 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS: 120
 INSTRUCTION TYPES (1): BEIMS/F
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 7.0MB
 PROCESSOR FEATURES (3): DFMVK/C
 INTERFACE SLOTS: 40

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE HOST & REMOTE

PRICES

COMPUTER: \$5EE MFR
 MEMORY: \$5500, 48K
 SYSTEM: \$150000, 384K
 INCLUDES 384 KB MEMORY; CONSOLE CRT; 40 (800 BPI); DMA COMMUNICATIONS PROCESSOR.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 40/80/150/300 MB
 FIXED HEAD DISK: .53-2.15 MB
 FLEXIBLE DISK: 310 KB
 MAGNETIC TAPE: 320 KBPS, 200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 300/600/900 LPM
 SERIAL PRINTER: 10 CPS, 200 IPS
 CARD RD, PN: 300/600/1000 CPM
 PAPER TAPE RD, PN: 300/75 CPS
 DISPLAY TERMINAL: 1920 CPS
 MULTIPLEXOR: SYNC, ASYNC
 TERMINALS/SYSTEM: 50+
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SOBOL, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL
 MB DISK; 9 TRACK MAGNETIC TAPE DRIVE

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE HARRIS 140 IS A 24-BIT MINICOMPUTER DESIGNED FOR COMMERCIAL AND SCIENTIFIC APPLICATIONS AS WELL AS FOR USE IN ENGINEERING AND COMPUTATION. THE MODEL FEATURES OPTIONAL REAL TIME CLOCK AND FLOATING POINT, AND STANDARD BYTE MANIPULATION AND INDIRECT ADDRESSING. SOFTWARE SUPPORT CONSISTS OF BASIC FOR MULTI-USERS, COBOL, FORTRAN, RPG, AND SNOBOL IV. A WIDE VARIETY OF SYSTEM PERIPHERALS AND SOFTWARE IS ALSO AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 128 TO 256K CORE
 CYCLE TIME: .75 USEC
 ADD TIME: .75 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 120
 INSTRUCTION TYPES (1): BDEIMS/F
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/EM
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): BDPVRME/C
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * I/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE HOST & REMOTE

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$225000, 384K, #140
 INCLUDES 128K CPU; 340MB DISK; MAG TAPE; CRT; 600 LPM PRINTER; 600 CPM CARD READER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 40/80/150/300 MB
 FIXED HEAD DISK: .5-2.1 MB
 FLEXIBLE DISK: 310KB
 MAGNETIC TAPE: 45-200 IPS, 320 KBPS
 TAPE CASSETTE:
 LINE PRINTER: 300/600/900 LPM
 SERIAL PRINTER: 10 CPS, 30 CPS
 CARD RD, PN: 300/600/1000 CPM
 PAPER TAPE RD, PN: 300/75 CPS
 DISPLAY TERMINAL: 1920 CPS
 MULTIPLEXOR: SYNC/ASYNC
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SNOBOL IV, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bistynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE HARRIS 150 IS A 24-BIT MINICOMPUTER DESIGNED FOR COMMERCIAL, SCIENTIFIC, AND ENGINEERING APPLICATIONS. FEATURES INCLUDE OPTIONAL FLOATING POINT AND REAL TIME CLOCK, AND STANDARD INDIRECT ADDRESSING. SOFTWARE SUPPORT CONSISTS OF BASIC FOR MULTI-USES, COBOL, FORTRAN, RPG, AND SNOBOL IV. A VARIETY OF SYSTEM PERIPHERALS AND SOFTWARE IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 24 BITS
 MEMORY: 160 TO 256K CORE
 CYCLE TIME: .75 USEC
 ADD TIME: .75 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 120
 INSTRUCTION TYPES (1): BDEIMS/F
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): BDFVME/C
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTER
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE HOST & REMOTE

PRICES

COMPUTER: \$5EE MFR
 MEMORY: \$7000, 24K
 SYSTEM: \$290000, 480K, #150
 INCLUDES 160K CPU; DISK STORAGE (40MB);
 BOARD; LINE PRINTER (900 LPM); CARD READER (1000 CPM), DISK STORAGE (300 MB).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #. Specs. N/A)

REMOVABLE DISK: 40/80/150/300 MB
 FIXED HEAD DISK: .53-2.15 MB
 FLEXIBLE DISK: 310 KB
 MAGNETIC TAPE: 320 KBPS, 200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 300/600/900 LPM
 SERIAL PRINTER: 10 CPS, 30 CPS
 CARD RD, PN: 300/600/1000 CPM
 PAPER TAPE RD, PN: 300/75
 DISPLAY TERMINAL: 1920 CPS
 MULTIPLEXOR: SYNC, ASYNC
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SNOBOL IV, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL
 MAG TAPE (800 BPI); CONSOLE CRT W/KEY-

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE HARRIS SYSTEM 210 IS THE BASIC SYSTEM OF THE HARRIS SERIES 200 FAMILY OF GENERAL PURPOSE, REAL TIME COMPUTERS FOR SCIENTIFIC, COMMERCIAL, AND EDUCATIONAL APPLICATIONS. THE SYSTEM 210 FEATURES INTERLEAVED MEMORY, PERFORMS CONCURRENT TIME SHARING, MULTIBATCH AND REAL TIME PROCESSING UNDER THE VULCAN (REAL TIME, TIME SHARING AND BATCH) OPERATING SYSTEMS, AND IS AVAILABLE WITH A WIDE VARIETY OF PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 192 TO 768K CORE
 CYCLE TIME:
 ADD TIME: .58 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 167
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 15MB
 PROCESSOR FEATURES (3): DFVRME/C
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$30000, 96K, #703
 SYSTEM: \$179000, 192K, #210
 INCLUDES CPU WITH 192K MEMORY AND DISK (40MB); MAG TAPE; PRINTER (300LPM); CARD READER (300CPM); CONSOLE CRT W/KEYBOARD; SCIENTIFIC ARITHMETIC UNIT (SAU).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 55X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 62XX, 66XX, 4100
 TAPE CASSETTE: N/A
 LINE PRINTER: 4000 SERIES
 SERIAL PRINTER: 2210
 CARD RD, PN: 3110, 3120, 3130; N/A
 PAPER TAPE RD, PN: 2030
 DISPLAY TERMINAL: 8616
 MULTIPLEXOR: SYN, ASYN, A-D
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SNOBOL IV, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE HARRIS SYSTEM 220 IS A MEDIUM SIZE, GENERAL PURPOSE, REAL TIME COMPUTER USED FOR SCIENTIFIC, COMMERCIAL, EDUCATIONAL, AND MULTITERMINAL APPLICATIONS. THE SYSTEM 220 HAS SUFFICIENT INTERLEAVED CORE MEMORY FOR EFFECTIVE FOREGROUND/BACKGROUND OPERATION UNDER VULCAN, A MULTIPROGRAMMING, PRIORITY-STRUCTURED OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 288 TO 768K CORE
 CYCLE TIME:
 ADD TIME: .58 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 167
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 15MB
 PROCESSOR FEATURES (3): DFVRHE/C
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE

PRICES

COMPUTER: \$52E MFR
 MEMORT: \$30000, 96K, #703
 SYSTEM: \$242000, #220

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 55XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 62XX,66XX,4100
 TAPE CASSETTE: N/A
 LINE PRINTER: 4000 SERIES
 SERIAL PRINTER: 2210
 CARD RD,PN: 3110,3120,3130;N/A
 PAPER TAPE RD,PN: 2030
 DISPLAY TERMINAL: 8610
 MULTIPLEXOR: SYN, ASYN, A-D
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SNOBOL IV,FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Slack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE SYSTEM 230 IS A LARGE MULTIPROGRAMMING, REAL TIME COMPUTER USED FOR SCIENTIFIC, COMMERCIAL, EDUCATIONAL, AND MULTITERMINAL, TIME SHARING APPLICATIONS. THE SYSTEM 230 PERFORMS CONCURRENT PROCESSING UNDER THE VULCAN (REAL TIME, TIME SHARING, AND BATCH) OPERATING SYSTEM. THE SYSTEM 230 MAY FUNCTION AS A HOST PROCESSOR FOR THE HARRIS SERIES 100 AND SMALL SERIES 200 SYSTEMS, AND FEATURES EXTENSIVE SOFTWARE SUPPORT PLUS A VARIETY OF AVAILABLE PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 480 TO 768K CORE
 CYCLE TIME:
 ADD TIME: .58 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 167
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 15MB
 PROCESSOR FEATURES (3): DPVRME/C
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTER
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: RJE

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$30000, 96K, #703
 SYSTEM: \$339000, #230

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 55XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 62XX,66XX,4100
 TAPE CASSETTE: N/A
 LINE PRINTER: 4000 SERIES
 SERIAL PRINTER: 2210
 CARD RD,PN: 3110,3120,3130;N/A
 PAPER TAPE RD,PN: 2030
 DISPLAY TERMINAL: 8610
 MULTIPLEXOR: SYN, ASYN, A-D
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: SNOBOL IV, FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE SYSTEM 240 IS A LARGE MULTIPROGRAMMING, REAL TIME COMPUTER USED FOR SCIENTIFIC, COMMERCIAL, EDUCATIONAL, AND MULTITERMINAL, TIME SHARING APPLICATIONS. THE SYSTEM 240 PERFORMS CONCURRENT TIME SHARING, MULTI-BATCH AND REAL TIME PROCESSING UNDER THE VULCAN OPERATING SYSTEMS. VULCAN (VIRTUAL CORE MANAGER) IS A MULTIPROGRAMMING PRIORITY-STRUCTURED OPERATING SYSTEM. THE SYSTEM 240 MAY FUNCTION AS A HOST PROCESSOR FOR THE HARRIS SERIES 100 AND 200 SYSTEMS, AND FEATURES EXTENSIVE SOFTWARE SUPPORT AND A VARIETY OF AVAILABLE PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 576 TO 768K CORE
 CYCLE TIME:
 ADD TIME: .58 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 167
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 5
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 15MB
 PROCESSOR FEATURES (3): DFVRME/C
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER: RJE

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$30000, 96K, #703
 SYSTEM: \$436000, #240

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 55XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 62XX,66XX,4100
 TAPE CASSETTE: N/A
 LINE PRINTER: 4000 SERIES
 SERIAL PRINTER: 2210
 CARD RD,PN: 3110,3120,3130;N/A
 PAPER TAPE RD,PN: 2030
 DISPLAY TERMINAL: 8610
 MULTIPLEXOR: SYN,ASYN,A-D
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: SNOBOL IV,FORGO

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE HEWLETT-PACKARD'S HP-2000/30 IS A DUAL PROCESSOR ACCESS SYSTEM DESIGNED TO FUNCTION AS A MULTITERMINAL ON-LINE SYSTEM. THE MODEL 30 IS BUILT AROUND TWO HP-21HX MINICOMPUTERS AND INCLUDES A 16-PORT ASYNCHRONOUS COMMUNICATIONS MULTIPLEXOR, WHICH CAN HANDLE UP TO 32 TERMINALS. STANDARD SOFTWARE ENABLES CONCURRENT USE OF HASP OR CDC U200 PROTOCOLS FOR REMOTE JOB ENTRY COMMUNICATIONS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 64K MOS
 CYCLE TIME: .65 USEC
 ADD TIME: 1.94 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 128
 INSTRUCTION TYPES (1): BEFIN/
 ACCUMULATORS: 2
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: .24MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS: 19

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$62900, 48K
 INCLUDES 48K CPU; 2 21HX-E CPU'S; 30 CPS PRINTER; MAGNETIC TAPE DRIVE; 15MB DISK; PAPER TAPE READER; MULTIPLEXOR; CABINET.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 12962A,-65A,790XA
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 12970A,12973A
 TAPE CASSETTE: N/A
 LINE PRINTER: 12975,12983
 SERIAL PRINTER: 12762A
 CARD RD,PN: 2894A
 PAPER TAPE RD,PN: 12926A,12925A
 DISPLAY TERMINAL: 2640A,2644A
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM: 32
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1975, THE HEWLETT-PACKARD 2000/40 IS A DUAL PROCESSOR ACCESS SYSTEM DESIGNED TO FUNCTION AS A MULTITERMINAL ON-LINE SYSTEM. THE ACCESS SYSTEM IS BUILT AROUND TWO HP-21MX MICROMPUTERS AND INCLUDES A 16-PORT ASYNCHRONOUS COMMUNICATIONS MULTIPLEXOR, WHICH CAN HANDLE UP TO 32 TERMINALS. STANDARD SOFTWARE ENABLES CONCURRENT USE OF HASP OR CDC U200 PROTOCOLS FOR REMOTE JOB ENTRY COMMUNICATIONS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 64K MOS
 CYCLE TIME: .65 USEC
 ADD TIME: 1.94 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 128
 INSTRUCTION TYPES (1): BEFIN/
 ACCUMULATORS: 2
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 1.24MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS: 19

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$70600, 64K
 INCLUDES 64K CPU; 2 21MX-E CPU'S; 30 CPS PRINTER; MAGNETIC TAPE DRIVE; 15MB DISK; PAPER TAPE READER; MULTIPLEXOR; CABINET.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 12962A, -65A, 790XA
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 12970A, 12973A
 TAPE CASSETTE: N/A
 LINE PRINTER: 12975, 12983
 SERIAL PRINTER: 2762A
 CARD RD, PN: 2894A
 PAPER TAPE RD, PN: 12926A; 12925A
 DISPLAY TERMINAL: 2640A, 2644A
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM: 32
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisyronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE HP 3000 SERIES II, MODEL 5 IS A SMALL SCALE, DISK-BASED, VIRTUAL MEMORY, GENERAL PURPOSE COMPUTER SYSTEM WITH MULTIPROGRAMMING AND MULTILINGUAL CAPABILITIES. MODEL 5 FEATURES INCLUDE PROVEN APPLICATIONS SOFTWARE AND A VARIETY OF AVAILABLE PERIPHERALS. COMPATIBLE WITH THE MODEL 7 AND THE MODEL 9, THE MODEL 5 DIFFERS ONLY IN MEMORY SIZE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64K MOS
 CYCLE TIME: .7 USEC
 ADD TIME: .55 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 203
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 20
 INDEX REGISTERS: 1
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 4.5MB
 PROCESSOR FEATURES (3): BCFRMEK/
 INTERFACE SLOTS: 13

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- REAL TIME MNTR
- * T/S MONITOR MPE-II
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 64K
 MEMORY:
 SYSTEM: \$110000, 64K
 INCLUDES 64K CPU; DISK (15HB); MAGNETIC

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 15,47HB,790XA,12973A
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 800,1600 BPI 45 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 200,300,600,1250 LPM
 SERIAL PRINTER: 30,120 CPS
 CARD RD,PN: 200,600 CPM;75 CPM
 PAPER TAPE RD,PN: 500 CPS;75 CPS
 DISPLAY TERMINAL: 264X
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: SPL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 TAPE DRIVE (1600 BPI); #2648 CONSOLE.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE HEWLETT-PACKARD 3000 SERIES II, MODEL 6 IS A 16-BIT COMPUTER INTENDED FOR ENGINEERING AND BUSINESS PURPOSES. A CHOICE OF PROGRAMMING LANGUAGES AND THE IMAGE OPERATING SYSTEM ARE AVAILABLE. THE SYSTEM CAN HANDLE A NUMBER OF PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 256K
 CYCLE TIME: .700 USEC
 ADD TIME: .55 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS: 209
 INSTRUCTION TYPES (1): BDEIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ADS/B
 I/O TRANSFER RATE: 2.86MB
 PROCESSOR FEATURES (3): BCDVVRMEK/
 INTERFACE SLOTS: 10

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 128 KB
 - * MACRO ASSEM 128 KB
 - * DISK MONITOR 128 KB
 - REAL TIME MONTR
 - * T/S MONITOR 128 KB
 - * BATCH MONITOR 128 KB
 - * DATA BASE SYS 192 KB, IMAGE
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$3700, 64K
 SYSTEM: \$110000, 128K

INCLUDES 128 KB MEMORY; SYSTEM CLOCK; MODER; 16 CHANNEL I/O MULTIPLEXOR; CRT CONSOLE WITH 4K MEMORY; 50MB REMOVABLE DISK UNIT; 1600 BPI MAGNETIC TAPE UNIT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 7920A, 50 MB
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE: 36 K CPS, 45 IPS
 TAPE CASSETTE:
 LINE PRINTER: 300/600/1800 LPM
 SERIAL PRINTER: 200 LPM
 CARD RD, PW: 200 CPM RD, 75 CPM PW
 PAPER TAPE RD, PW:
 DISPLAY TERMINAL: 1920 CPS
 MULTIPLEXOR: ASYNC
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL256 KB
 - ALGOL
 - * SINGLE BASIC 128 KB
 - * MULTI BASIC 128 KB
 - * COBOL 128 KB
 - * FORTRAN 128 KB
 - PL1
 - * RPG 128 KB
- OTHER: SPL, 128 KB

MARKETING

MAIN MARKET: OEM, END USER
 UNITS SOLD: 900 (12/77)
 MAINTENANCE: FACTORY

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE HP 3000 SERIES II, MODEL 7 IS A SMALL SCALE, DISK-BASED, VIRTUAL MEMORY, GENERAL PURPOSE COMPUTER SYSTEM WITH MULTIPROGRAMMING AND MULTILINGUAL CAPABILITIES. MODEL 7 FEATURES INCLUDE PROVEN APPLICATIONS SOFTWARE AND A VARIETY OF AVAILABLE PERIPHERALS. COMPATIBLE WITH THE MODEL 5 AND THE MODEL 9, THE MODEL 7 DIFFERS ONLY IN MEMORY SIZE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 256K MOS
 CYCLE TIME: .7 USEC
 ADD TIME: .55 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 203
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 20
 INDEX REGISTERS: 1
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 4.5MB
 PROCESSOR FEATURES (3): BCFRNEK/
 INTERFACE SLOTS: 13

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- REAL TIME MONTR
- * T/S MONITOR HPE-II
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 128K
 MEMORY:
 SYSTEM: \$150000, 128K
 INCLUDES 128K CPU; DISK (15MB); MAGNETICTAPE DRIVE (1600 BPI); #2648 CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 15,47HB,790XA,12965A
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 800,1600 BPI,45 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 200,300,600,1250 LPM
 SERIAL PRINTER: 30,120 CPS
 CARD RD,PN: 200,600 CPM;75 CPM
 PAPER TAPE RD,PN: 500 CPS;75 CPS
 DISPLAY TERMINAL: 264X
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: SPL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE HEWLETT-PACKARD 3000 SERIES II, MODEL 8 IS A 16-BIT COMPUTER INTENDED FOR ENGINEERING AND BUSINESS PURPOSES. IT HANDLES THE IMAGE OPERATING SYSTEM, AND A HOST OF SOFTWARE LANGUAGES. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
MEMORY: 320 TO 512K
CYCLE TIME: .700 USEC
ADD TIME: .55 USEC
CACHE MEMORY:
OF INSTRUCTIONS: 209
INSTRUCTION TYPES (1): BDEIMS/
ACCUMULATORS:
INDEX REGISTERS:
I/O COMMUNICATIONS (2): ADS/B
I/O TRANSFER RATE: 2.86MB
PROCESSOR FEATURES (3): BCDFVRMEK/
INTERFACE SLOTS: 23

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 128 KB
 - * MACRO ASSEM 128 KB
 - * DISK MONITOR 128 KB
REAL TIME MNT
 - * T/S MONITOR 128 KB
 - * BATCH MONITOR 128 KB
 - * DATA BASE SYS 192 KB, IMAGE
- OTHER:

PRICES

COMPUTER: \$SEE MFR
MEMORY: \$3700, 64K
SYSTEM: \$140000, 320K
INCLUDES 320 KB MEMORY WITH FAULT CONTROL; SYSTEM CLOCK; MODEM; 16 CHANNEL I/O MULTIPLEXOR; CRT CONSOL WITH 4K MEMORY; 50 MB DISK UNIT; 1600 BPI MAG TAPE UNIT.

FEATURES (*)

- UPWARD COMPATIBLE
FIELD SERVICE
APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 7920A, 50 MB
FIXED HEAD DISK:
FLEXIBLE DISK:
MAGNETIC TAPE: 7970B, 1600 BPI
TAPE CASSETTE:
LINE PRINTER: 300/600/1000 LPM
SERIAL PRINTER: 200 LPM
CARD RD,PN: 200 CPM RD,75 CPM PN
PAPER TAPE RD,PN:
DISPLAY TERMINAL: 1920 CPS
MULTIPLEXOR: ASYNC
TERMINALS/SYSTEM:
OTHER:

SOFTWARE LANGUAGES (*)

- * APL256 KB
ALGOL
- * SINGLE BASIC 128 KB
- * MULTI BASIC 128 KB
- * COBOL 128 KB
- * FORTRAN 128 KB
PL1
- * RPG 128 KB
- OTHER: SPL, 128 KB

MARKETING

MAIN MARKET: OEM, END USER
UNITS SOLD: 300 (12/77)
MAINTENANCE: FACTORY

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE HP 3000 SERIES II, MODEL 9 IS A SMALL SCALE, DISK-BASED, VIRTUAL MEMORY, GENERAL PURPOSE COMPUTER SYSTEM WITH MULTIPROGRAMMING AND MULTILINGUAL CAPABILITIES. MODEL 9 FEATURES INCLUDE PROVEN APPLICATIONS SOFTWARE AND A VARIETY OF AVAILABLE PERIPHERALS. THE MODEL 9 IS THE LARGEST OF THE 3000 SERIES II, DIFFERING ONLY IN MEMORY SIZE FROM THE MODEL 5 AND THE MODEL 7.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 178 TO 512K MOS
 CYCLE TIME: .7 USEC
 ADD TIME: .55 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 203
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS: 20
 INDEX REGISTERS: 1
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 4.5MB
 PROCESSOR FEATURES (3): BCFRMEK/
 INTERFACE SLOTS: 13

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR MPE-II
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 178K
 MEMORY:
 SYSTEM: \$190000, 178K
 INCLUDES 178K CPU; DISK (15MB); MAGNETIC TAPE DRIVE (1600 BPI); #2648 CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 15,47MB,790XA,12965A
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 800,1600 BPI 45 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 200,300,600,1250 LPM
 SERIAL PRINTER: 30,120 CPS
 CARD RD,PN: 200,600 CPM;75 CPM
 PAPER TAPE RD,PN: 500 CPS;75 CPS
 DISPLAY TERMINAL: 264Y
 MULTIPLEXOR: ASYM
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: SPL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE HITAC M-150 IS AN 8-BIT COMPUTER SYSTEM DESIGNED FOR APPLICATIONS IN BUSINESS, INDUSTRIAL PROCESS CONTROL, LABORATORY, COMPUTATION, AND EDUCATION. STANDARD FEATURES OF THE MODEL INCLUDE FLOATING POINT, REAL TIME CLOCK, AND SELECTABLE LINE SPEEDS. SOFTWARE SUPPORT INCLUDES COBOL, FORTRAN, PL1, RPG, AND HELP. A WIDE VARIETY OF SYSTEM PERIPHERALS AND SOFTWARE IS ALSO AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 192 TO 1024K
 CYCLE TIME: 0.275/8B USEC
 ADD TIME: 2.32 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS: 188
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: N/A
 INDEX REGISTERS: N/A
 I/O COMMUNICATIONS (2): ABDST/
 I/O TRANSFER RATE: 4KB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTER
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SZE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: H-8586, H-8589, H-8594
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: H-1741, H-8231
 MAGNETIC TAPE: H-844X, H-846X
 TAPE CASSETTE: N/A
 LINE PRINTER: H-8242, H-8276, H-8277
 SERIAL PRINTER: N/A
 CARD RD, PN: H-8232, H-829X
 PAPER TAPE RD, PN: H-8223-1, H-8225-1
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR: H-8664, H-8622, H-8666
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: HELP

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE HITAC M160/II IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE A MEMORY EXPANDABLE TO 2MB, MEMORY PARITY, PRIORITY INTERRUPTS AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE VOS 1, 2, AND 3 OPERATING SYSTEMS, AND REMOTE BATCH AND VIRTUAL STORAGE SUPPORT.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 2000K MOS-IC
 CYCLE TIME: .167 USEC
 ADD TIME: 1.6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 190
 INSTRUCTION TYPES (1): BDEFH/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 5.5MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER VOS 1,2,3
 - * MACRO ASSEM VOS 1,2,3
 - * DISK MONITOR VOS 1,2,3
 - * REAL TIME MNTR VOS 1,2,3
 - * T/S MONITOR VOS 1,2,3
 - * BATCH MONITOR VOS 1,2,3
 - * DATA BASE SYS VOS 1,2,3
- OTHER: VIRTUAL STOR,REMOTE BATCH SU

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8586,H-8589-1/11
 FIXED HEAD DISK: DRUM H-8575
 FLEXIBLE DISK: H-8231
 MAGNETIC TAPE: H-846Y,H-848X
 TAPE CASSETTE: N/A
 LINE PRINTER: H-8276-11/12
 SERIAL PRINTER: H-F8092-10
 CARD RD,PN: H-8299-31,H-829X-10
 PAPER TAPE RD,PN: H-8223;H-8225
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 77 (10/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE HITAC-M170 IS A LARGE-SCALE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES OF THE M-170 INCLUDE A MEMORY EXPANDABLE FROM 512KB TO 4MB, VIRTUAL MEMORY, CACHE MEMORY AND MULTIPROCESSOR CAPABILITY. SOFTWARE SUPPORT INCLUDES THE VOS 2 AND VOS 3 OPERATING SYSTEMS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 512 TO 800K MOS
 CYCLE TIME: .085 USEC
 ADD TIME: .34 USEC
 CACHE MEMORY: 8KB, 85NS
 # OF INSTRUCTIONS: 195
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDREK/M
 INTERFACE SLOTS: N/A

SYSTEMS SOFTWARE (*)

- * ASSEMBLER VOS 2,3
 - * MACRO ASSEM VOS 2,3
 - * DISK MONITOR VOS 2,3
 - * REAL TIME HNTR VOS 2,3
 - * T/S MONITOR VOS 2,3
 - * BATCH MONITOR VOS 2,3
 - * DATA BASE SYS VOS 2,3
- OTHER: VIRTUAL STOR.,REMOTE BATCH S

PRICES

COMPUTER: \$SEE MFR
 MEMORT:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8586,H-8589-1/11
 FIXED HEAD DISK: DRUM H8575
 FLEXIBLE DISK: H-8231
 MAGNETIC TAPE: H-846X-1,H-848X-1
 TAPE CASSETTE: N/A
 LINE PRINTER: H-827X-11/12
 SERIAL PRINTER: H-H8092-10
 CARD RD,PN: H-8299-31,H-829X-10
 PAPER TAPE RD,PN: H-8223;H-8225
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 55 (10/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE HITAC M180 IS A LARGE-SCALE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES OF THE M-180 INCLUDE A MEMORY EXPANDABLE FROM 1MB TO 8MB, VIRTUAL MEMORY, A LARGER CACHE MEMORY, A FASTER ADD-TIME AND TRANSFER RATE THAN ITS SMALLER RELATIVE, THE HITAC M-170, AND MULTI-PROCESSOR CAPABILITY. SOFTWARE SUPPORT INCLUDES THE VOS 2 AND VOS 3 OPERATING SYSTEMS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 512 TO 8000K MOS-IC
 CYCLE TIME: 0.072 USEC
 ADD TIME: .08 USEC
 CACHE MEMORY: 16KB, 72NS
 # OF INSTRUCTIONS: 195
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 16MB
 PROCESSOR FEATURES (3): BCDREK/M
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER VOS 2,3
 - * MACRO ASSEM VOS 2,3
 - * DISK MONITOR VOS 2,3
 - * REAL TIME MON VOS 2,3
 - * T/S MONITOR VOS 2,3
 - * BATCH MONITOR VOS 2,3
 - * DATA BASE SYS VOS 2,3
- OTHER: VIRTUAL STOR., REMOTE BATCH S

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8586, H-8589-1/11
 FIXED HEAD DISK: DRUM H8575
 FLEXIBLE DISK: H-8231
 MAGNETIC TAPE: H-846X-1, H-848X-1
 TAPE CASSETTE: N/A
 LINE PRINTER: H-827X-11/12
 SERIAL PRINTER: H-H8092-10
 CARD RD, PN: H-8299-31, H-829X-10
 PAPER TAPE RD, PN: H-8223; H-8225
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 9 (10/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE HITAC 8150 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND EDUCATIONAL APPLICATIONS. FEATURES INCLUDE FACTORY MICROPROGRAMMING, PRIORITY INTERRUPTS AND OPTIONAL MEMORY PROTECTION. SOFTWARE SUPPORT INCLUDES COBOL AND FORTRAN COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 24 TO 64K MOS-IC
 CYCLE TIME: .9 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 26
 INSTRUCTION TYPES (1): BDR/
 ACCUMULATORS: 4
 INDEX REGISTERS: 4
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 1.1MB
 PROCESSOR FEATURES (3): CRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 8150 PS
- * MACRO ASSEM 8150 PS
- * DISK MONITOR 8150 PS
- * REAL TIME MNTR 8150 PS
 T/S MONITOR
- * BATCH MONITOR 8150 PS
- * DATA BASE SYS 8150 PS
- OTHER: RESP (FOR RJE)

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: A-422,A-421S
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: H-1741
 MAGNETIC TAPE: H-8423,H-8452
 TAPE CASSETTE: N/A
 LINE PRINTER: A-24X
 SERIAL PRINTER: N/A
 CARD RD,PN: 8267-10,8239-31,231
 PAPER TAPE RD,PN: A-221;A-225
 DISPLAY TERMINAL: A-613
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
 PL1
 RPG
- OTHER: HELP II

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 847 (02/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE HITAC 8250 IS A GENERAL PURPOSE COMPUTER USED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE A MEMORY EXPANDABLE TO 384K, PRIORITY INTERRUPTS, AND DECIMAL ARITHMETIC HARDWARE. SOFTWARE SUPPORT INCLUDES REMOTE BATCH STATION SUPPORT AND COBOL AND PL/1 COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 32 TO 512K MOS-IC
 CYCLE TIME: .8 USEC
 ADD TIME: 6.7 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 156
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 2.4MB
 PROCESSOR FEATURES (3): BCCEK/M
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER NDOS
 - * MACRO ASSEMB NDOS
 - * DISK MONITOR NDOS
 - * REAL TIME MONITOR NDOS
 T/S MONITOR
 - * BATCH MONITOR NDOS
 - * DATA BASE SYS NDOS
- OTHER: REMOTE BATCH STATION SUPPORT

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8589-1, H-8578
 FIXED HEAD DISK: H-8567-1
 FLEXIBLE DISK: H-1741
 MAGNETIC TAPE: H-8423, H645X
 TAPE CASSETTE: N/A
 LINE PRINTER: H-8247, H-824X
 SERIAL PRINTER: N/A
 CARD RD, PN: H-828X-10; H-8239-31
 PAPER TAPE RD, PN: H-822X-1
 DISPLAY TERMINAL: H-9415
 MULTIPLEIOR: H-8663
 TERMINALS/SYSTEM:
 OTHER: OCR H-8959

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 * RPG
 OTHER: HELP

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 550 (10/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1972, THE HITAC 8350 IS A MEMBER OF THE HITAC 8000 SERIES OF GENERAL PURPOSE COMPUTERS. STANDARD FEATURES INCLUDE A MEMORY EXPANDABLE FROM 98K TO 524K, MEMORY PARITY, FLOATING POINT HARDWARE, AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES COBOL AND FORTRAN COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 98 TO 1000K CORE
 CYCLE TIME: 1.5 USEC
 ADD TIME: 2.9 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 149
 INSTRUCTION TYPES (1): BDEPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 2.1MB
 PROCESSOR FEATURES (3): BCRK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER EDOS, EDOS-MSO
- * MACRO ASSEM EDOS, EDOS-MSO
- * DISK MONITOR EDOS, EDOS-MSO
- * REAL TIME MNTR EDOS, EDOS-MSO
 T/S MONITOR
- * BATCH MONITOR EDOS, EDOS-MSO
- * DATA BASE SYS EDOS, EDOS-MSO
- OTHER: REMOTE BATCH MONITOR

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8589-1, H-8578
 FIXED HEAD DISK: H-8566, H-8567
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: H-845X
 TAPE CASSETTE: N/A
 LINE PRINTER: H-8274, H-824X
 SERIAL PRINTER: N/A
 CARD RD, PN: H-828X-10, H-8239-31
 PAPER TAPE RD, PN: H-822X-1
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: OCR H-8959

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
 SINGLE BASIC
 MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 226 (10/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE HITAC 8450 IS A MEMBER OF THE HITAC 8000 SERIES OF GENERAL PURPOSE COMPUTERS. STANDARD FEATURES INCLUDE A MEMORY EXPANDABLE FROM 256K TO 1MB, A FASTER CYCLE TIME THAN THE SIMILAR BUT SMALLER HITAC 8350, MEMORY PARITY, FLOATING POINT HARDWARE, AND A VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES COBOL AND FORTRAN COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 1000K CORE
 CYCLE TIME: .97 USEC
 ADD TIME: 1.67 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 145
 INSTRUCTION TYPES (1): BDFPH/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 3.1MB
 PROCESSOR FEATURES (3): BCRMK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER EDOS, EDOS-HSO
 - * MACRO ASSEM EDOS, EDOS-HSO
 - * DISK MONITOR EDOS, EDOS-MSO
 - * REAL TIME MWTR EDOS, EDOS-MSO
 T/S MONITOR
 - * BATCH MONITOR EDOS, EDOS-MSO
 - * DATA BASE SYS EDOS, EDOS-MSO
- OTHER: REMOTE BATCH MONITOR

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8589-1, H-8578
 FIXED HEAD DISK: H-8566, H-8569
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: H-845X
 TAPE CASSETTE: N/A
 LINE PRINTER: H-8247, H-824X
 SERIAL PRINTER: N/A
 CARD RD, PN: H-828X-10; H-8239-31
 PAPER TAPE RD, PN: H-822X-1
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER: H8959

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 155 (10/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1972, THE HITAC 8700 IS A MEMBER OF THE HITAC 8000 SERIES OF GENERAL PURPOSE COMPUTERS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES INCLUDE A MEMORY EXPANDABLE TO 8MB, A 16K CACHE MEMORY, AND A VARIETY OF COMPATIBLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES BASIC AND RPG COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 500 TO 8000K CORE
 CYCLE TIME: .9 USEC
 ADD TIME: .42 USEC
 CACHE MEMORY: 16KB, 900NS
 # OF INSTRUCTIONS: 170
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDRK/M
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER EDOS-MSO,OS7
 - * MACRO ASSEM EDOS-MSO,OS7
 - * DISK MONITOR EDOS-MSO,OS7
 - * REAL TIME MNTR EDOS-MSG,OS7
 - * T/S MONITOR EDOS-MSO,OS7
 - * BATCH MONITOR EDOS-MSO,OS7
 - * DATA BASE SYS EDOS-MSO,OS7
- OTHER: REMOTE BATCH

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8589, H-8578
 FIXED HEAD DISK: H-8566, H-8567
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: H-845X
 TAPE CASSETTE: N/A
 LINE PRINTER: H-8274, H-824X
 SERIAL PRINTER: N/A
 CARD RD, PN: H-828X-10, H-8239-31
 PAPER TAPE RD, PN: H-822X-1
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 60 (10/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972 THE HITAC 8800 IS THE LARGEST MEMBER OF THE HITAC 8000 SERIES OF GENERAL PURPOSE COMPUTERS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES INCLUDE A MEMORY EXPANDABLE FROM 1MB TO 8MB, 32K CACHE MEMORY, AND A VARIETY OF COMPATIBLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES BASIC AND RPG COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 1000 TO 16KK CORE
 CYCLE TIME: .9 USEC
 ADD TIME: .11 USEC
 CACHE MEMORY: 32KB, 900NS
 # OF INSTRUCTIONS: 170
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): B/
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDRK/H
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER EDOS-MSO,0S7
 - * MACRO ASSEM EDOS-MSO,0S7
 - * DISK MONITOR EDOS-MSO,0S7
 - * REAL TIME HNTR EDOS-MSO,0S7
 - * T/S MONITOR EDOS-MSO,0S7
 - * BATCH MONITOR EDOS-MSO,0S7
 - * DATA BASE SYS EDOS-MSO,0S7
- OTHER: REMOTE BATCH

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H-8578, H-8589-1/11
 FIXED HEAD DISK: H-8566, H-8567
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: H-845X
 TAPE CASSETTE: N/A
 LINE PRINTER: H-8274, H-824X
 SERIAL PRINTER: N/A
 CARD RD, PN: H-828X-10, H-8239-31
 PAPER TAPE RD, PN: H-822X-1
 DISPLAY TERMINAL: H-9415
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 7 (10/76)
 MAINTENANCE: OB CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE HONEYWELL DATANET 305 IS A FRONT-END NETWORK PROCESSOR. IT CAN BE PURCHASED ON AN AS-AVAILABLE BASIS ONLY, AND IS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. STANDARD FEATURES INCLUDE A REAL-TIME CLOCK AND MEMORY PROTECTION, AS WELL AS POWER FAIL SAFE AND PRIORITY INTERRUPTS. A CHOICE OF USER PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 78
 INSTRUCTION TYPES (1): BLEEPIM/
 ACCUMULATORS: 2
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ABST/
 I/O TRANSFER RATE: .083ME
 PROCESSOR FEATURES (3): LCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER: GRTS NPS

PRICES

COMPUTER: \$52800
 MEMORY:
 SYSTEM: \$SEE HFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RP474X,RP475X
 FIXED HEAD DISK: RP4510-14
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: RP40XX,41XX,552X
 TAPE CASSETTE: RP5400,RP5401
 LINE PRINTER: RP052X,RP552X
 SERIAL PRINTER: RP53XX
 CARD RD,PN: CRP930,RP0121,RP51XX
 PAPER TAPE RD,PN: 5210
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE DATANET 355 IS A PROGRAMMABLE FRONT-END NETWORK PROCESSOR WHICH CONTROLS REMOTE TERMINALS CONNECTED TO HONEYWELL'S SERIES 6000, 2000, 600, 200, 100 AND LEVELS 66 AND 68 COMPUTER SYSTEMS. THE DATANET 355 IS DESIGNED FOR LARGE-VOLUME COMMUNICATIONS APPLICATIONS AND FEATURES A 16K MEMORY AND A .7 USEC CYCLE TIME. EXTENSIVE SOFTWARE SUPPORT AND A VARIETY OF PERIPHERALS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 98
 INSTRUCTION TYPES (1): BUEFIM/
 ACCUMULATORS: 2
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ABST/
 I/O TRANSFER RATE: .083MB
 PROCESSOR FEATURES (3): HCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER: GRTS NPS

PRICES

COMPUTER: \$88320, 16K
 MEMORY: \$58080, 16K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: RP474X, RP475X
 FIXED HEAD DISK: RP4510-14
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: RP40XX, 41XX, 552X
 TAPE CASSETTE: RP5400, RP5401
 LINE PRINTER: RP052X, RP552X
 SERIAL PRINTER: RP53XX
 CARD RD, PN: CRF930, RP0121, RP51XX
 PAPER TAPE RD, PN: 5210
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE DATANET 6600 IS A PROGRAMMABLE FRONT-END NETWORK PROCESSOR WHICH PROVIDES LARGE-VOLUME NETWORK-COMMUNICATIONS FOR HONEYWELL'S SERIES 60 LEVEL 66 AND LEVEL 68 COMPUTER SYSTEMS. THE DATANET 6600 FEATURES MOS MEMORY PLUS AUTOMATIC ERROR DETECTION AND CORRECTION (EDAC). SOFTWARE SUPPORT INCLUDES A REMOTE TERMINAL SUPERVISOR (GRTS) AND A NETWORK PROCESSING SUPERVISOR (NPS).

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std./Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 48 TO 256K
 CYCLE TIME: 1.2 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 96
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 2
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): ABST/
 I/O TRANSFER RATE: .083MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTNR
- * T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER: GRTS NPS

PRICES

COMPUTER: \$124874, 64K
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: RP474X,RP475X
 FIXED HEAD DISK: RP4510-14
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: RP40XX,41XX,552X
 TAPE CASSETTE: RP5400,RP5401
 LINE PRINTER: RP052X,RP552X
 SERIAL PRINTER: RP53XX
 CARD RD,PN: CRF930,RP0121,RP51XX
 PAPER TAPE RD,PN: 5210
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- COBOL
- FORTRAN
- PL1
- RPC
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE MODEL 1200 IS A MEMBER OF HONEYWELL'S SERIES 200 OF MEDIUM-SCALE, FULLY SOFTWARE COMPATIBLE COMPUTERS FOR MANUFACTURING, RETAIL, BANKING, INSURANCE, EDUCATIONAL, AND GOVERNMENTAL APPLICATIONS. BASED ON A 6-BIT CHARACTER, THE 1200 HAS A 16 TO 128K CHARACTER MEMORY. THE MODEL 1200 IS NO LONGER IN PRODUCTION, AND IS PROVIDED ON AN AS-AVAILABLE BASIS ONLY.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 6 BITS
 MEMORY: K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 28
 INSTRUCTION TYPES (1): BDFIH/
 ACCUMULATORS:
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 12

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- REAL TIME MNTR
- * T/S MONITOR
- BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$112320, 16K
 MEMORY:
 SYSTEM: \$SEE MFR
 INCLUDES 64K CPU; CONTROL PANEL; POWER

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: YES
 TAPE CASSETTE: N/A
 LINE PRINTER: 300 LPM
 SERIAL PRINTER: N/A
 CARD RD,PN: 400-600 CPM;400 CPM
 PAPER TAPE RD,PN: YES;YES
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 2000

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- FORTRAN
- PLI
- RPG
- OTHER: EASYWRITER

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 SUPPLY; INTERVAL TIMER; DISK PACK DRIVE.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1965, THE HONEYWELL 615 IS A LARGE BUSINESS COMPUTER SYSTEM PROVIDED ON AN AS-AVAILABLE BASIS ONLY. IT HAS A 36-BIT WORD SIZE, A REAL-TIME CLOCK, PRIORITY INTERRUPTS, AND MEMORY PROTECTION AS STANDARD FEATURES. A CHOICE OF PERIPHERALS IS AVAILABLE TO THE USER.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 64 TO 256K
 CYCLE TIME: 2.0 USEC
 ADD TIME: 4.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BEFIN/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDN/
 I/O TRANSFER RATE: .45MB
 PROCESSOR FEATURES (3): BCRN/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$553200, 64K
 MEMORY: \$553200, 64K
 SYSTEM: \$935800
 INCLUDES 64K CPU; DISK (165MB); PRINTER (1200 LPM); CARD RD/PW (900/300 CPM).

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: DSS170,180
 FIXED HEAD DISK:
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200,300,400
 TAPE CASSETTE: N/A
 LINE PRINTER: PRT201,300,301
 SERIAL PRINTER:
 CARD RD,PN: CRZ201, CPZ100,201
 PAPER TAPE RD,PN: PTR200,PTP200
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE HONEYWELL MODEL 62/40 IS A SMALL-SCALE, DISK ORIENTED BUSINESS COMPUTER SYSTEM DESIGNED PRIMARILY FOR THE END USER. THE 62/40 FEATURES USER-MICROPROGRAMMABILITY, LIBERATOR/3 SOFTWARE ALLOWING CONVERSION OF SYSTEMS APPLICATIONS SOFTWARE WRITTEN FOR THE IBM SYSTEM/3, AND A WIDE VARIETY OF AVAILABLE PERIPHERALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt,N/A)

WORD SIZE: 8 BITS
 MEMORY: 64 TO 128K MGS
 CYCLE TIME: 1.0, 2B USEC
 ADD TIME: .039 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 141/165
 INSTRUCTION TYPES (1): BDEIM/F
 ACCUMULATORS: 16
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): D/ABS
 I/O TRANSFER RATE: 1.6MB
 PROCESSOR FEATURES (3): ECDRMEK/
 INTERFACE SLOTS: 6

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$49500, 56K
 MEMORY: \$2450, 8K
 SYSTEM: \$107610, 56K
 INCLUDES 56KB CPU; CONSOLE WITH TELEPRINTER AND TAPE CASSETTE UNIT; MASS STORAGE; (23.2MB); CARD READER (300 CPM); LINE PRINTER (400 LPH).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: MSU0XX,MSU0310,330
 FIXED HEAD DISK: MSU011X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MSU01XX,MTU02XX
 TAPE CASSETTE: CSP2003
 LINE PRINTER: PRUX00
 SERIAL PRINTER: 30 CPS
 CARD RD,PN: CRUX00,CRU0306
 PAPER TAPE RD,PN: N/A,N/A
 DISPLAY TERMINAL: 77XX
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL 32KB
 * FORTRAN
 PL1
 * RPG 24KB
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE HONEYWELL MODEL 62/60 IS A SMALL-SCALE, DISK ORIENTED BUSINESS COMPUTER SYSTEM DESIGNED PRIMARILY FOR END USERS. THE 62/50 HAS 8K MORE WORDS OF MAIN MEMORY THAN THE SMALLER 62/40 AND INCLUDES AN ADDITIONAL MASS STORAGE UNIT. LIBERATOR/3 SOFTWARE ALLOWS CONVERSION OF SYSTEMS APPLICATIONS SOFTWARE WRITTEN FOR THE IBM SYSTEM/3.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 64 TO 256K MOS
 CYCLE TIME: 1.0, 2B USEC
 ADD TIME: .039 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 141/165
 INSTRUCTION TYPES (1): BDEIM/F
 ACCUMULATORS: 16
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): D/ABS
 I/O TRANSFER RATE: 1.6MB
 PROCESSOR FEATURES (3): BCDPHEK/
 INTERFACE SLOTS: 6

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- REAL TIME MNTSR
- * T/S MONITOR
- BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$75410, 64K
 MEMORY: \$2450, 8K
 SYSTEM: \$132670, 64K
 INCLUDES 64K CPU; CONSOLE WITH TELEPRINTER AND TAPE CASSETTE UNIT; MASS STORAGE (58MB); CARD READER (300 CPM); LINE PRINTER (400 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: MSU0XX,MSU0310,330
 FIXED HEAD DISK: MSU011X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTU01XX,MTU02XX
 TAPE CASSETTE: CSF2003
 LINE PRINTER: PRUX00
 SERIAL PRINTER: 30 CPS
 CARD RD,PN: CRUX100,CRU0306
 PAPER TAPE RD,PN: N/A,N/A
 DISPLAY TERMINAL: 77XX
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL 32KB
- * FORTRAN
- PL1
- * RPG 24KB
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE SERIES 60, LEVEL 64, MODEL 20 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER. STANDARD FEATURES INCLUDE THE I/O FACILITY TO CONTROL UP TO 120 COMMUNICATIONS LINES, THE GCOS OPERATING SYSTEM, AND PROGRAM COMPATIBILITY WITH HONEYWELL SERIES 100 AND 200/2000 COMPUTERS. A DATA COMMUNICATIONS MINIPROCESSOR, THE DATANET 2000, IS OPTIONAL.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 64 TO 192K LSI MOS
 CYCLE TIME: 1.0 USEC
 ADD TIME: 19.6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 195
 INSTRUCTION TYPES (1): BDINS/F
 ACCUMULATORS: 20
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 1.25MB
 PROCESSOR FEATURES (3): BCDVRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR 28K
- REAL TIME MHR
- T/S MONITOR
- * BATCH MONITOR 28K
- * DATA BASE SYS 24K
- OTHER:

PRICES

COMPUTER: \$128485, 64K
 MEMORY: \$7680, 8K
 SYSTEM: \$283765, 64K
 INCLUDES 64K CPU; CONSOLE UNIT; TWO MASS STORAGE UNITS (29,100MB); MAG TAPE (37.5 IPS); CARD READER AND PUNCH (400/100 CPM); PRINTER (600 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: MSU0310, MSU041X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTU01XX
 TAPE CASSETTE:
 LINE PRINTER: PRU1200, PRU1600
 SERIAL PRINTER: CONSOLE, 30 CPS
 CARD RD, PN: CRU, PCU, CCU SERIES
 PAPER TAPE RD, PN: N/A, N/A
 DISPLAY TERMINAL: VIP7700, MTS7500
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: :DN-2000 FRONT END

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL 32K
- * FORTRAN IV
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE HONEYWELL SERIES 60, LEVEL 64, MODEL 30 IS A 32-BIT COMPUTER DESIGNED FOR USE IN COMMUNICATIONS, COMMERCIAL, AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE STANDARD BYTE MANIPULATION, SELECTABLE LINE SPEEDS, AND OPTIONAL FLOATING POINT. SOFTWARE SUPPORT INCLUDES COBOL, FORTRAN, AND RPG. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 64 TO 256K MOS
 CYCLE TIME: 1 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDIMS/F
 ACCUMULATORS:
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 1.2MB
 PROCESSOR FEATURES (3): BCMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 REAL TIME MNT
 T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 29-100MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK:
 MAGNETIC TAPE: ALL TYPES
 TAPE CASSETTE:
 LINE PRINTER: 600-1600 LPM
 SERIAL PRINTER:
 CARD RD,PN: 400-1050;100
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE MODEL 64/40 IS A MEMBER OF THE HONEYWELL SERIES 60, LEVEL 64 FAMILY OF MEDIUM-SCALE, GENERAL PURPOSE COMPUTERS. STANDARD FEATURES INCLUDE MOS MEMORY, THE GCOS OPERATING SYSTEM, AND PROGRAM COMPATIBILITY WITH HONEYWELL SERIES 100 AND 200/2000 COMPUTERS. A DATA COMMUNICATIONS PROCESSOR, THE DATANET 2000 IS OPTIONAL. THE MODEL 64/40 FEATURES A MEMORY EXPANDABLE FROM 196 TO 320K CHARACTERS, AND AN I/O FACILITY TO CONTROL UP TO 120 COMMUNICATIONS LINES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 32 BITS
 MEMORY: 96 TO 320K LSI MOS
 CYCLE TIME: 1.0 USEC
 ADD TIME: 12.7 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 195
 INSTRUCTION TYPES (1): BDIMS/F
 ACCUMULATORS: 20
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: 1.25MB
 PROCESSOR FEATURES (3): BCDVRMEK/
 INTERFACE SLOTS: 20

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 28K
 REAL TIME MNTR
 T/S MONITOR
 * BATCH MONITOR 28K
 * DATA BASE SYS 24K
 OTHER:

PRICES

COMPUTER: \$218595, 96K
 MEMORY: \$7680, 8K
 SYSTEM: \$338145, 96K
 INCLUDES 96K CPU; CONSOLE UNIT; TWO MASS STORAGE UNITS; MAG TAPE (37.5 IPS);
 CARD READER AND PUNCH (400/100 CPM);

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: MSU03X0, MSU04XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTU0XXX
 TAPE CASSETTE:
 LINE PRINTER: PRU1200, PRU1600
 SERIAL PRINTER: CONSOLE, 30 CPS
 CARD RD, PN: CRU, PCU, CCU SERIES
 PAPER TAPE RD, PN: N/A, N/A
 DISPLAY TERMINAL: VIP7700, MTS7500
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DN-2000 FRONT-END

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL 32K
 * FORTRAN IV
 PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 INCLUDES 96K CPU; CONSOLE UNIT; TWO MASS STORAGE UNITS; MAG TAPE (37.5 IPS);
 PRINTER (600 LPM).

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisyynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

THE HONEYWELL SERIES 60, LEVEL 64, MODEL 60 IS A 32-BIT COMPUTER SYSTEM DESIGNED FOR EDUCATIONAL, BUSINESS, COMPUTATION, COMMUNICATIONS PROCESSING, AND LABORATORY APPLICATIONS. THE 64/60 FEATURES STANDARD REAL TIME CLOCK, SELECTABLE LINE SPEEDS, BYTE MANIPULATION, AND OPTIONAL FLOATING POINT. SOFTWARE SUPPORT INCLUDES COBOL, RPG, AND FORTRAN. A WIDE VARIETY OF PERIPHERAL IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 192 TO 768K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDIMS/F
 ACCUMULATORS:
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 1.25MB
 PROCESSOR FEATURES (3): BCMCK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACHO ASSEM
- * DISK MONITOR
- REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 29-100MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK:
 MAGNETIC TAPE: ALL TYPES
 TAPE CASSETTE:
 LINE PRINTER: 600-1600 LPM
 SERIAL PRINTER:
 CARD RD,PN: 400-1050;100
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE 66/05 IS THE ENTRY LEVEL MODEL OF THE LEVEL 66 SERIES OF GENERAL PURPOSE COMPUTERS. THE 66/05 USES GCOS (GENERAL COMPREHENSIVE OPERATING SUPERVISOR) FOR ITS OPERATING SYSTEM. COBOL, FORTRAN, APL/66, BASIC, PL/1, ALGOL, JOVIAL ARE AMONG THE LANGUAGES SUPPORTED.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 9 BITS
 MEMORY: 96 TO 512K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFLM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BRMEK/
 INTERFACE SLOTS: 18

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: H5003X0
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE: MTU0400,0500,0600
 TAPE CASSETTE: CSF 2003
 LINE PRINTER: PRU1100,1200,1600
 SERIAL PRINTER: CSF 4001,4006
 CARD RD,PN: CRU1050, PCU0120
 PAPER TAPE RD,PN: PTS 06050
 DISPLAY TERMINAL: CSU 6001
 MULTIPLEXOR: SYNC, ASYNC
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE MODEL 10 IS THE BASIC MODEL OF THE HONEYWELL LEVEL 66 SERIES. THE 66/10 IS A LARGE, GENERAL PURPOSE SINGLE PROCESSOR CONFIGURATION AND FEATURES THE GCOS (GENERAL COMPREHENSIVE OPERATING SUPERVISOR) AND THE DATANET 6600 FRONT-END NETWORK PROCESSOR. THE 66/10 CAN ALSO BE CONFIGURED TO THE DATANET DCP6624, CONTROLLING UP TO 56 COMMUNICATIONS LINES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 9 BITS
 MEMORY: 80 TO 1024K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BRNEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM
 * DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER: TOLTS, HEALS

PRICES

COMPUTER: \$461225, 96K
 MEMORY: \$3840, 16K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: MS00310,04XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MT00400,0500,0600
 TAPE CASSETTE: CSF2003
 LINE PRINTER: PRU1100,1200,1600
 SERIAL PRINTER: CSP4001,4006
 CARD RD,PN: CRU1050,PCU0120
 PAPER TAPE RD,PN: PTS06050
 DISPLAY TERMINAL: CSU6001
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 6600

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 * SINGLE BASIC
 MULTI BASIC
 * COBOL -74 512KB
 * FORTRAN
 * PL1 768KB
 RPG
 OTHER: JOVIAL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE HONEYWELL SERIES 60, LEVEL 66, MODEL 20 IS A SINGLE PROCESSOR GENERAL PURPOSE COMPUTER SYSTEM WITH AN INTEGRATED SYSTEM CONTROLLER AND I/O MULTIPLEXOR. THE 66/20 FEATURES A MEMORY CAPACITY TO 1024K BYTES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTRL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 9 BITS
 MEMORY: 80 TO 1024K MOS
 CYCLE TIME: 1.4 USEC
 ADD TIME:
 CACHE MEMORY: 175NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 1.2MB
 PROCESSOR FEATURES (3): BRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM
 * DISK MONITOR
 REAL TIME MNTC
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER: TOLTS, HEALS

PRICES

COMPUTER: \$825084, 128K
 MEMORY: \$3840, 16K
 SYSTEM: \$SEE MPE

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: HSU03X0,04XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTU0400,0500,0600
 TAPE CASSETTE: CSF2003
 LINE PRINTER: PRU1100,1200,1600
 SERIAL PRINTER: CSF4001,4006
 CARD RD,PN: CRU1050,PCU0120
 PAPER TAPE RD,PN: PTS06050
 DISPLAY TERMINAL: CSU6001
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 6600

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 * SINGLE BASIC
 MULTI BASIC
 * COBOL -74 512KB
 * FORTRAN
 * PL1 768KB
 RPG
 OTHER: JOVIAL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisyynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1974, THE HONEYWELL SERIES 60, LEVEL 66, MODEL 40 IS A LARGE, GENERAL PURPOSE COMPUTER WITH PERIPHERALS PROCESSORS, I/O MULTIPLEXORS, AND A SYSTEM CONTROLLER ALL IN A SINGLE CONTROL UNIT. A 66/40 SYSTEM CAN HAVE ONE OR TWO CPUs AND HAS A MEMORY CAPACITY TO 1024K BYTES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 9 BITS
 MEMORY: 80 TO 1024K NOS
 CYCLE TIME: 1.4 USEC
 ADD TIME:
 CACHE MEMORY: 175NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 2.7MB
 PROCESSOR FEATURES (3): BRMEK/
 INTERFACE SLOTS: 18/56

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- REAL TIME MTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: TOLTS, HEALS

PRICES

COMPUTER: \$1179695, 128K
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: MSU03X0,04XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTU0400,0500,0600
 TAPE CASSETTE: CSF2003
 LINE PRINTER: PRU1100,1200,1600
 SERIAL PRINTER: CSP4001,4006
 CARD RD,PN: CRU1050,PCU0120
 PAPER TAPE RD,PN: PTS06050
 DISPLAY TERMINAL: CSU6001
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 6600

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL -74 512KB
- * FORTRAN
- * PLY 768KE
- RPG
- OTHER: JOVIAL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE HONEYWELL SERIES 60, LEVEL 66, MODEL 60 IS A LARGE, GENERAL PURPOSE COMPUTER. IT CAN HANDL UP TO FOUR CPUS PER SYSTEM, HAS A MAIN MEMORY CAPACITY TO 1024K BYTES, A TRANSFER RATE OF 2.7 MEGABYTES PER SECOND, AND A CACHE MEMORY.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 9 BITS
 MEMORY: 80 TO 1024K MOS
 CYCLE TIME: 1.4 USEC
 ADD TIME:
 CACHE MEMORY: YES
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFIH/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 2.7MB
 PROCESSOR FEATURES (3): BRMCK/
 INTERFACE SLOTS: 18/56

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SIS
- OTHER: TOLTS, HEALS

PRICES

COMPUTER: \$1685955, 192K
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: HSU03X0,04XX
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MT00400,0500,0600
 TAPE CASSETTE: CSF2003
 LINE PRINTER: PRU1100,1200,1600
 SERIAL PRINTER: CSP4001,4006
 CARD RD,PN: CRU1050,PCU0120
 PAPER TAPE RD,PN: PTS06050
 DISPLAY TERMINAL: CSU6001
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 6000

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL -74 512KB
- * FORTRAN
- * PL1 768KB
- RPG
- OTHER: JOVIAL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE 66/80 IS A MEMBER OF THE HONEYWELL SERIES 60, LEVEL 66 FAMILY OF LARGE, GENERAL PURPOSE PROCESSORS. THE 66/80 IS AVAILABLE ONLY IN FREE-STANDING CONFIGURATIONS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 9 BITS
 MEMORY: 80 TO 1024K MOS
 CYCLE TIME: .75 USEC
 ADD TIME:
 CACHE MEMORY: YES
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): BRNEK/
 INTERFACE SLOTS: 18/56

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: TOLTS, HEALS

PRICES

COMPUTER: \$2235840, 256K
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: MSU0310,04X1
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MT00400,0500,0600
 TAPE CASSETTE: CSF2003
 LINE PRINTER: PRU1100,1200,1600
 SERIAL PRINTER: CSF4001,4006
 CARD RD,PH: CRU1050,PCU0120
 PAPER TAPE RD,PH: PTS06050
 DISPLAY TERMINAL: CSU6001
 MULTIPLEXIOR: SYN,ASYM
 TERMINALS/SYSTEM:
 OTHER: DATANET 6600

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL -74 512KB
- * FORTRAN
- * PL1 760KB
- RPG
- OTHER: JOVIAL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE HONEYWELL MODEL 85 IS A MEMBER OF THE HONEYWELL SERIES 60, LEVEL 66 FAMILY OF LARGE, GENERAL PURPOSE COMPUTERS. THE MODEL 66/85 MICRO-PROGRAMMED CENTRAL PROCESSOR FEATURES A HIGH SPEED CACHE MEMORY, MEMORY PROTECTION, AND MULTIPROCESSOR CAPABILITY. NETWORK PROCESSING IS POSSIBLE BY USING THE 66/85, ITS GCOS OPERATING SYSTEM, AND THE DATANET 6600 FRONT-END NETWORK PROCESSOR. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 512 TO 2048K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: YES
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIH/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCFVRHEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEMBLER
- * DISK MONITOR
- REAL TIME MONITOR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYSTEM
- OTHER:

PRICES

COMPUTER: \$2518331, 512K
 MEMORY: \$194880, 256K
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 78-156MB
 FIXED HEAD DISK: 626MB
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: ALL TYPES
 TAPE CASSETTE: N/A
 LINE PRINTER: 1100-18000 LPM
 SERIAL PRINTER: #CSF4001,4006
 CARD RD,PN: 1050 CPM;100-400 CPM
 PAPER TAPE RD,PN: #PTS06050
 DISPLAY TERMINAL: #CSU6001
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: JOVIAL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE SERIES 60, LEVEL 68, MODEL 60 IS ONE OF THE HONEYWELL MULTICS SYSTEM PROCESSORS FOR LARGE-SCALE NETWORK PROCESSING. MULTICS FEATURES INCLUDE VIRTUAL MEMORY, SELECTIVE INFORMATION SHARING VIA CONTROL MEMORY ACCESS, HARDWARE ENFORCED SECURITY LEVELS, AND A MODULAR DESIGN. A 68/60 SYSTEM CONSISTS OF A CPU, MEMORY I/O MULTIPLEXOR, AND BULK STORAGE IN VARIOUS SIZES AND COMBINATIONS. THE DATANET 6600 COMMUNICATIONS PROCESSOR SERVES AS THE FRONT END.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 192 TO 8192K MOS
 CYCLE TIME: .75 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1):
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1.0MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER: MULTICS, GCOS-66

PRICES

COMPUTER: \$1814695, 192K
 MEMORY:
 SYSTEM: \$2386164, 1024K
 INCLUDES 1024K CPU; DISK STORAGE (160KB); THREE MAG TAPE UNITS; CARD READER/PUNCH; PRINTER; DATANET 6600; OPERATOR CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: MSP0601
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTP0600, MTU0400, 0500
 TAPE CASSETTE: CSP2003
 LINE PRINTER: PRU1200, 1600
 SERIAL PRINTER: CSP4001, 4006
 CARD RD, PW: CRU600, 1050
 PAPER TAPE RD, PW: N/A, N/A
 DISPLAY TERMINAL: SPF4013, 4014, 6001
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 6600

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE SERIES 60, LEVEL 68, MODEL 80 IS ONE OF THE HONEYWELL MULTICS SYSTEM PROCESSORS FOR LARGE-SCALE NETWORK PROCESSING. THE 66/80 FEATURES A CACHE MEMORY AND AN I/O RATE FOUR TIMES AS FAST AS THE 68/60. A 68/80 SYSTEM CONSISTS OF A CPU, MEMORY I/O MULTIPLEXOR, AND BULK STORAGE IN VARIOUS SIZES AND COMBINATIONS. THE DATANET 6600 SERVES AS THE FRONT END. THE 68/80 SYSTEM CAN CONSIST OF UP TO FOUR CPUS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 192 TO 8192K MOS
 CYCLE TIME: .75 USEC
 ADD TIME:
 CACHE MEMORY: 2KB
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 4.0MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER: MULTICS, GCOS-66

PRICES

COMPUTER: \$2455580, 256K
 MEMORY:
 SYSTEM: \$SEE MFR, 1024K
 INCLUDES 1024K CPU; DISK STORAGE (160MB); THREE MAG TAPE UNITS; CARD READER/PUNCH;
 PRINTER; DATANET 6600; OPERATOR CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: MSP0601, MSU0400
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTP0600, MTU0400, 0500
 TAPE CASSETTE: CSF2003
 LINE PRINTER: PRU1200, 1600
 SERIAL PRINTER: CSF4001, 4006
 CARD RD, PH: CRU600, 1050
 PAPER TAPE RD, PH: N/A, N/A
 DISPLAY TERMINAL: CSF4013, 4014, 6001
 MULTIPLEXOR: SYM, ASYM
 TERMINALS/SYSTEM:
 OTHER: DATANET 6600

SOFTWARE LANGUAGES (*)

* APL
 ALGOL
 * SINGLE BASIC
 MULTI BASIC
 COBOL
 * FORTRAN
 * PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1972, THE HONEYWELL 2020 IS A DISK ORIENTED MEMBER OF THE HONEYWELL SERIES 2000 OF COMPATIBLE SENSOR BASED COMPUTER SYSTEMS. FEATURES INCLUDE MULTIPROGRAMMING, HARDWARE INTERRUPTS, AND 8 BIT TRANSFER FUNCTIONS. THE 2020 CAN ALSO BE EQUIPPED WITH SEVEN TRACK AND NINE TRACK MAGNETIC TAPE SUBSYSTEMS. ALL HONEYWELL SERIES 200 SOFTWARE AND PERIPHERALS CAN BE UTILIZED ON SERIES 2000 SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 6 BITS
 MEMORY: 24 TO 64K CORE
 CYCLE TIME: 2.75/2.50 USEC
 ADD TIME: 47.5-9.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): DFIN/
 ACCUMULATORS:
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABS/
 I/O TRANSFER RATE: .5MB
 PROCESSOR FEATURES (3): CDFRME/
 INTERFACE SLOTS: 4-16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTN
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY: \$15910, 8K
 SYSTEM: \$116510, 24K
 INCLUDES 24K CPU; 2 DISK PACK DRIVES (18.4MB); CARD READER/PUNCH (400/100-400 CPM); PRINTER (450-LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 170-173, 259, 274
 FIXED HEAD DISK: 270-X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 204A, B, C, D, F, H, X
 TAPE CASSETTE: N/A
 LINE PRINTER: 112-X, 122-X, 222-X
 SERIAL PRINTER: N/A
 CARD RD, PN: 123, 223, 4-X, 227, 214X
 PAPER TAPE RD, PN: 209, 210
 DISPLAY TERMINAL: 220
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 2000

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE HONEYWELL 2030 IS A DISK ORIENTED MEMBER OF THE HONEYWELL SERIES 2000 OF COMPATIBLE SENSOR BAOMPUTER SYSTEMS. FEATURES INCLUDE MULTI-PROGRAMMING, HARDWARE INTERRUPTS, AND 8-BIT TRANSFER FUNCTIONS. ALL SERIES 200 AND 2000 SOFTWARE AND PERIPHERALS CAN BE UTILIZED ON THE 2030, WHICH CAN ALSO BE EQUIPPED WITH SEVEN TRACK AND NINE TRACK MAGNETIC TAPE SUBSYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 6 BITS
 MEMORY: 40 TO 96K
 CYCLE TIME: 2.0 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): DFIM/
 ACCUMULATORS:
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABS/
 I/O TRANSFER RATE: .5MB
 PROCESSOR FEATURES (3): CDFRME/
 INTERFACE SLOTS: 4-16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MONTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$100800, 40K
 MEMORY: \$15910, 8K
 SYSTEM: \$186860, 40K
 INCLUDES 40K CPU; 2 DISK PACK DRIVES (18.4 MB); CARD READER/PUNCH (400/100-400 CPH); PRINTER; (450 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 170-173,259,274
 FIXED HEAD DISK: 270-X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 204A,B,C,D,F,H,X
 TAPE CASSETTE: N/A
 LINE PRINTER: 112-X,122-X,222-X
 SERIAL PRINTER: N/A
 CARD RD,PN: 123,223,4-X,227,214X
 PAPER TAPE RD,PN: 209;210
 DISPLAY TERMINAL: 220
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 2000

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE HONEYWELL 2040 IS A COMMUNICATIONS ORIENTED MEMBER OF THE HONEYWELL SERIES 2000 OF COMPATIBLE SENSOR BASED SYSTEMS. THE 2040 IS AVAILABLE WITH A STORAGE CAPACITY TO 128K BYTES PLUS INTEGRATED CONTROL UNITS FOR A CARD READER, PUNCH, AND PRINTER. MOST SERIES 200 AND 2000 PERIPHERALS AND SOFTWARE CAN BE USED ON THE 2040.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 6 BITS
 MEMORY: 40 TO 128K
 CYCLE TIME: 1.6 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): DFIM/
 ACCUMULATORS:
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABS/
 I/C TRANSFER RATE: .667MB
 PROCESSOR FEATURES (3): CDFRME/
 INTERFACE SLCTS: 4-16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MWTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$124000, 48K
 MEMORY: \$15910, 8K
 SYSTEM: \$210060, 48K
 INCLUDES 48K CPU; TWO DISK PACK DRIVES (18.4 MB); CARD READER/PUNCH (400/100-400 CPM); PRINTER (450 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 170-173,259,274
 FIXED HEAD DISK: 270-X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 204A,B,C,D,F,H,X
 TAPE CASSETTE: N/A
 LINE PRINTER: 112-X,122-X,222-X
 SERIAL PRINTER: N/A
 CARD RD,PN: 123,223,4-X,227;214X
 PAPER TAPE RD,PN: 209;210
 DISPLAY TERMINAL: 220
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 2000

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 (18.4 MB); CARD READER/PUNCH (400/100-

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE HONEYWELL 2050 IS A COMMUNICATIONS ORIENTED MEMBER OF THE HONEYWELL SERIES 2000 OF COMPATIBLE SENSOR BASED SYSTEMS. THE 2050 FEATURES A MEMORY CAPACITY TO 256K BYTES, MULTIPROGRAMMING, HARDWARE INTERRUPTS, AND 8-BIT TRANSFER FUNCTIONS. MOST SERIES 200 AND 2000 SOFTWARE AND PERIPHERALS CAN BE USED WITH THE 2050.

<p>APPLICATION (*)</p> <ul style="list-style-type: none"> * BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL * LABORATORY/SCIENTIFIC * ENGINEERING/COMPUTATION * EDUCATIONAL SYSTEM * BANKING SYSTEM * DATA ENTRY SYSTEM <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 6 BITS MEMORY: 96 TO 256K CYCLE TIME: 1.6 USEC ADD TIME: CACHE MEMORY: N/A * CF INSTRUCTIONS: INSTRUCTION TYPES (1): DFIH/ ACCUMULATORS: INDEX REGISTERS: 15 I/O COMMUNICATIONS (2): ABS/ I/O TRANSFER RATE: 1.0MB PROCESSOR FEATURES (3): CDFRME/ INTERFACE SLOTS: 4-16</p> <p>SYSTEMS SOFTWARE (*)</p> <ul style="list-style-type: none"> * ASSEMBLER MACRO ASSEM * DISK MONITOR * REAL TIME MNT * T/S MONITOR * BATCH MONITOR * DATA BASE SYS <p>OTHER:</p> <p>PRICES</p> <p>COMPUTER: \$203280, 96K MEMORY: \$15910, 8K SYSTEM: \$289340, 96K INCLUDES 96K CPU; TWO DISK PACK DRIVES (18.4 MB); CARD READER/PUNCH (400/100-400 CPM); PRINTER (450 LPM).</p>	<p>FEATURES (*)</p> <ul style="list-style-type: none"> * UPWARD COMPATIBLE * FIELD SERVICE * APPLICATION SOFTWARE * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE * MULTIPROCESSOR <p>PERIPHERALS (Model #, Specs, N/A)</p> <p>REMOVABLE DISK: 170-173, 259, 274 FIXED HEAD DISK: 270-X FLEXIBLE DISK: N/A MAGNETIC TAPE: 204A, B, C, D, F, H, X TAPE CASSETTE: N/A LINE PRINTER: 112-X, 122-X, 222-X SERIAL PRINTER: N/A CARD RD, PN: 123, 223, 4-X, 227; 214X PAPER TAPE RD, PN: 209; 210 DISPLAY TERMINAL: 220 MULTIPLEXOR: SYN, ASYN TERMINALS/SYSTEM: OTHER: DATANET 2000</p> <p>SOFTWARE LANGUAGES (*)</p> <p>APL ALGOL SINGLE BASIC * MULTI BASIC * COBOL * FORTRAN PL1 * RPG OTHER:</p> <p>MARKETING</p> <p>MAIN MARKET: END USER UNITS SOLD: MAINTENANCE: ON CALL</p>
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(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE HONEYWELL 2060 IS A COMMUNICATIONS ORIENTED MEMBER OF THE HONEYWELL SERIES 2000 OF COMPATIBLE SENSOR BASED SYSTEMS. FEATURES INCLUDE MULTIPROGRAMMING, HARDWARE INTERRUPTS, AND 8-BIT TRANSFER FUNCTIONS. MOST SERIES 200 AND 2000 SOFTWARE AND PERIPHERALS CAN BE USED WITH THE 2060.

<p>APPLICATION (*)</p> <ul style="list-style-type: none"> * BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL * LABORATORY/SCIENTIFIC * ENGINEERING/COMPUTATION * EDUCATIONAL SYSTEM * BANKING SYSTEM * DATA ENTRY SYSTEM <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 6 BITS MEMORY: 128 TO 512K CYCLE TIME: 1.14 USEC ADD TIME: CACHE MEMORY: N/A # OF INSTRUCTIONS: INSTRUCTION TYPES (1): DFIM/ ACCUMULATORS: INDEX REGISTERS: 15 I/O COMMUNICATIONS (2): ABS/ I/O TRANSFER RATE: 1.5MB PROCESSOR FEATURES (3): CDFRME/ INTERFACE SLOTS: 4-16</p> <p>SYSTEMS SOFTWARE (*)</p> <ul style="list-style-type: none"> * ASSEMBLER MACRO ASSEM * DISK MONITOR * REAL TIME MNTR * T/S MONITOR * BATCH MONITOR * DATA BASE SYS OTHER: <p>PRICES</p> <p>COMPUTER: \$295280, 128K MEMORY: \$15910, 8K SYSTEM: \$381340, 128K INCLUDES 128K CPU; TWO DISK PACK DRIVES (400 CPH); PRINTER (450 LPM).</p>	<p>FEATURES (*)</p> <ul style="list-style-type: none"> * UPWARD COMPATIBLE * FIELD SERVICE * APPLICATION SOFTWARE * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE * MULTIPROCESSOR <p>PERIPHERALS (Model #, Specs, N/A)</p> <p>REMOVABLE DISK: 170-173,259,274 FIXED HEAD DISK: 270-X FLEXIBLE DISK: N/A MAGNETIC TAPE: 204A,B,C,D,F,H,I TAPE CASSETTE: N/A LINE PRINTER: 112-X,122-X,222-X SERIAL PRINTER: N/A CARD RD,PN: 123,223,4-X,227;214X PAPER TAPE RD,PN: 209;210 DISPLAY TERMINAL: 220 MULTIPLEXOR: SYN,ASYN TERMINALS/SYSTEM: OTHER: DATANET 2000</p> <p>SOFTWARE LANGUAGES (*)</p> <p>APL ALGOL SINGLE BASIC * MULTI BASIC * COBOL * FORTRAN PL1 * RPG OTHER:</p> <p>MARKETING</p> <p>MAIN MARKET: END USER UNITS SOLD: MAINTENANCE: ON CALL (18.4 MB); CARD READER/PUNCH (400/100-400 CPH).</p>
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(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE HONEYWELL 2070 IS A COMMUNICATIONS ORIENTED MEMBER OF THE HONEYWELL SERIES 2000 OF COMPATIBLE SENSOR BASED SYSTEMS. THE 2070 HAS THE BEST PERFORMANCE OF THE 2000 SERIES, EXCEEDING THE PERFORMANCE OF THE SERIES 200 MODEL 4200. STANDARD FEATURES INCLUDE THE VISUAL INFORMATION CONTROL CONSOLE AND MEMORY PURGING CAPABILITY. MOST SERIES 200 AND 2000 SOFTWARE AND PERIPHERALS CAN BE USED WITH THE 2070.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 6 BITS
 MEMORY: 128 TO 1000K CORE
 CYCLE TIME: 1.0 USEC
 ADD TIME: 47.5-9.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 43/57
 INSTRUCTION TYPES (1): DPIN/
 ACCUMULATORS
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABS/
 I/O TRANSFER RATE: 2.5MB
 PROCESSOR FEATURES (3): CDFRNE/
 INTERFACE SLOTS: 4-16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTC
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$493800, 128K
 MEMORY: \$15910, 8K
 SYSTEM: \$579860, 128K
 INCLUDES 128K CPU; TWO DISK PACK DRIVES (400/100 CFM); PRINTER (400 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 170-173, 259, 274
 FIXED HEAD DISK: 270-X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 204A, B, C, D, F, H, X
 TAPE CASSETTE: N/A
 LINE PRINTER: 112-X, 122-X, 222-X
 SERIAL PRINTER: N/A
 CARD RD, PW: 123, 223, 4-X, 227; 214X
 PAPER TAPE RD, PW: 209, 210
 DISPLAY TERMINAL: 220
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 2000

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Slack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE MODEL 6025 IS AN ENTRY-LEVEL MEMBER OF THE SERIES 6000 FAMILY OF MEDIUM TO LARGE-SCALE COMPUTERS DESIGNED PRIMARILY FOR BUSINESS AND SCIENTIFIC APPLICATIONS. CPU FUNCTIONS ARE HANDLED BY FOUR MODULES: MEMORY, PROCESSOR, INPUT/OUTPUT MULTIPLEXOR (IOM), AND THE FRONT-END NETWORK PROCESSOR. THE GENERAL COMPREHENSIVE OPERATING SUPERVISOR (GCOS) OPERATING SYSTEM PROVIDES MULTIPROCESSING CAPABILITIES. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 80 TO 128K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME: 4.2-71 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): DEFIH/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 1.3MB
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: HEALS,TOLTS

PRICES

COMPUTER: \$768290, 80K
 MEMORY: \$38503, 16K
 SYSTEM: \$985180, 80K
 INCLUDES 80K CPU; UNIT RECORD CONTROL; I/O MULTIPLEXOR; DISK UNIT (62MB); THREE MAG TAPE UNITS \$81,000; TRAIN PLOTTER (1150 LPM) \$75,090; CARD READER/PUNCH (900/300 CPH) \$60,800.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: DSS181,190B,0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500,MTU600
 TAPE CASSETTE:
 LINE PRINTER: PRT201,203,30X,401
 SERIAL PRINTER: N/A
 CARD RD,PH: CRZ201,301, CPZ201
 PAPER TAPE RD,PH: PTS200
 DISPLAY TERMINAL: CS26001
 MULTIPLEXOR: SYM,ASYM
 TERMINALS/SYSTEM:
 OTHER: DATANET 355,305,30

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE MODEL 6030 IS A MEMBER OF THE HONEYWELL SERIES 6000 FAMILY OF MEDIUM TO LARGE-SCALE COMPUTERS DESIGNED PRIMARILY FOR BUSINESS AND SCIENTIFIC APPLICATIONS. CPU FUNCTIONS ARE HANDLED BY FOUR MODULES: MEMORY, PROCESSOR, INPUT/OUTPUT MULTIPLEXOR (IOM), AND THE FRONT-END NETWORK PROCESSOR. MEMORY CAPACITY IS 64K TO 128K WORDS. THE GCOS OPERATING SYSTEM PROVIDES MULTIPROCESSING CAPABILITIES. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 64 TO 128K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 185
 INSTRUCTION TYPES (1): DEFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 2.8MB
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: HEALS,TOLTS

PRICES

COMPUTER: \$597875, 64K
 MEMORY: \$37022, 16K
 SYSTEM: \$905125, 64K
 INCLUDES 64K CPU; I/O MULTIPLEXOR; DISK UNIT (26MB); 3 MAGNETIC TAPE UNITS;
 TRAIN PRINTER (1150 LPM); CARD RD/PN (900/300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: DSS181,190B,0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500,MTU600
 TAPE CASSETTE:
 LINE PRINTER: P&T201,203,30X,401
 SERIAL PRINTER: N/A
 CARD RD,PN: CRZ201,301, CPZ201
 PAPER TAPE RD,PN: PTS200
 DISPLAY TERMINAL: CSF6001
 MULTIPLEXOR: SYN,ASN
 TERMINALS/SYSTEM:
 OTHER: DATANET 355,305,30

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 UNIT (26MB); 3 MAGNETIC TAPE UNITS;

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE MODEL 6040 IS A MEMBER OF THE HONEYWELL SERIES 6000 FAMILY OF MEDIUM TO LARGE-SCALE COMPUTERS DESIGNED PRIMARILY FOR BUSINESS AND SCIENTIFIC APPLICATIONS. CPU FUNCTIONS ARE HANDLED BY FOUR MODULES: MEMORY, PROCESSOR, INPUT/OUTPUT MULTIPLEXOR (IOM), AND THE FRONT-END NETWORK PROCESSOR. MEMORY CAPACITY IS 64K TO 256K WORDS. THE GCOS OPERATING SYSTEM PROVIDES MULTIPROCESSING CAPABILITIES. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 64 TO 256K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 185
 INSTRUCTION TYPES (1): DEFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 2.8MB
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: HEALS, TOLTS

PRICES

COMPUTER: \$670550, 64K
 MEMORY:
 SYSTEM: \$977800, 64K
 INCLUDES 64K CPU; I/O MULTIPLEXOR; DISK
 UNIT (1150 LPM); CARD RD/PN (900/300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: D55181, 190B, 0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500, MTU600
 TAPE CASSETTE:
 LINE PRINTER: PRT201, 203, 30X, 401
 SERIAL PRINTER: N/A
 CARD RD, PN: CRZ201, 301, CPZ201
 PAPER TAPE RD, PN: PPS200
 DISPLAY TERMINAL: CSF6001
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 355, 305, 30

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PLI
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 UNIT (62MB); 3M TAPE UNITS; TRAIN PRINT-

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE MODEL 6050 IS A MEMBER OF THE HONEYWELL SERIES 6000 FAMILY OF MEDIUM TO LARGE-SCALE COMPUTERS DESIGNED PRIMARILY FOR BUSINESS AND SCIENTIFIC APPLICATIONS. UP TO FOUR CPUS CAN BE INTERCONNECTED WITH TWO SYSTEM CONTROLLERS AND FOUR I/O MULTIPLEXORS, ALL CAPABLE OF CONCURRENT ASYNCHRONOUS OPERATIONS. COMMUNICATIONS CONTROL IS PROVIDED BY THE FRONT-END COMMUNICATIONS PROCESSORS DATANET 30, 305, OR 355. MEMORY CAPACITY IS 96K TO 512K WORDS. THE GCOS OPERATING SYSTEM PROVIDES MULTIPROCESSING CAPABILITIES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 96 TO 512K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 185
 INSTRUCTION TYPES (1): DEFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 3.7MB
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MONTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: HEALS, TOLTS

PRICES

COMPUTER: \$1005597, 96K
 MEMORY: \$37022, 16K
 SYSTEM: \$1312847, 96K
 INCLUDES 96K CPB; I/O MULTIPLEXOR; DESK UNIT (62HB); 3 MAGNETIC TAPE UNITS;
 TRAIN PRINTER (1150 LPM); CARD RD/PN (900/300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: DSS181,190B,0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500,MTU600
 TAPE CASSETTE:
 LINE PRINTER: PRT201,203,30X,401
 SERIAL PRINTER: N/A
 CARD RD,PN: CRZ201,301, CPZ201
 PAPER TAPE RD,PN: PTS200
 DISPLAY TERMINAL: CSF6001
 MULTIPLEXOR: SYW,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 355,305,30

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
 - SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE MODEL 6060 IS A MEMBER OF THE HONEYWELL SERIES 6000 FAMILY OF MEDIUM TO LARGE-SCALE COMPUTERS DESIGNED PRIMARILY FOR BUSINESS AND SCIENTIFIC APPLICATIONS. UP TO FOUR CPUs CAN BE INTERCONNECTED WITH TWO SYSTEM CONTROLLERS AND FOUR I/O MULTIPLEXORS, ALL CAPABLE OF CONCURRENT ASYNCHRONOUS OPERATIONS. COMMUNICATIONS CONTROL IS PROVIDED BY THE FRONT-END COMMUNICATIONS PROCESSORS DATANET 30, 305, OR 355. MEMORY CAPACITY IS 96K TO 512K WORDS. THE GCOS OPERATING SYSTEM PROVIDES MULTIPROCESSING CAPABILITIES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 96 TO 512K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 185
 INSTRUCTION TYPES (1): DEFIN/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDM/
 I/O TRANSFER RATE: 6.0MB
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER: HEALS, TOLTS

PRICES

COMPUTER: \$1089504, 96K
 MEMORY:
 SYSTEM: \$1396754, 96K
 INCLUDES 96K CPU; I/O MULTIPLEXOR; DISK UNIT (62HB); 3 MAGNETIC TAPE UNITS;
 TRAIN PRINTER (1150 LPM); CARD RD/PN (900/300 CPN).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: DSS181, 190B, 0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500, MTU600
 TAPE CASSETTE:
 LINE PRINTER: PRT201, 203, 300, 303
 SERIAL PRINTER: N/A
 CARD RD, PN: CRZ201, 301; CPZ201
 PAPER TAPE RD, PN: PTS200
 DISPLAY TERMINAL: CSF6001
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 355, 305, 30

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 OTHER: 3 MAGNETIC TAPE UNITS;

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE MODEL 6070 IS A MEMBER OF THE HONEYWELL SERIES 6000 FAMILY OF MEDIUM TO LARGE-SCALE COMPUTERS DESIGNED PRIMARILY FOR BUSINESS AND SCIENTIFIC APPLICATIONS. UP TO FOUR CPUS CAN BE INTERCONNECTED WITH TWO SYSTEM CONTROLLERS AND FOUR I/O MULTIPLEXORS, ALL CAPABLE OF CONCURRENT ASYNCHRONOUS OPERATIONS. COMMUNICATIONS CONTROL IS PROVIDED BY THE FRONT-END COMMUNICATIONS PROCESSORS DATANET 30, 305, OR 355. MEMORY CAPACITY IS 128K TO 1024K WORDS. THE GCOS OPERATING SYSTEM PROVIDES MULTIPROCESSING CAPABILITIES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 1024K CORE
 CYCLE TIME: 1.2/0.5 USEC
 ADD TIME: 71 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 185
 INSTRUCTION TYPES (1): DEFIN/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 6.0MB
 PROCESSOR FEATURES (3): BDRM/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: HEALS, TOLTS

PRICES

COMPUTER: \$1463758, 128K
 MEMORY: \$446805, 64K
 SYSTEM: \$SEE MFR, 128K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: DSS181, 190B, 0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500, MTU600
 TAPE CASSETTE:
 LINE PRINTER: PRT201, 203, 300, 303
 SERIAL PRINTER: N/A
 CARD RD, PN: CRZ201, 301, CPZ201
 PAPER TAPE RD, PN: PTS200
 DISPLAY TERMINAL: CSF6001
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 355, 305, 30

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE MODEL 6080 IS THE HIGH-END OF THE HONEYWELL SERIES 6000 FAMILY OF MEDIUM TO LARGE-SCALE COMPUTERS DESIGNED PRIMARILY FOR BUSINESS AND SCIENTIFIC APPLICATIONS. UP TO FOUR CPUS CAN BE INTERCONNECTED WITH TWO SYSTEM CONTROLLERS AND FOUR I/O MULTIPLEXORS, ALL CAPABLE OF CONCURRENT ASYNCHRONOUS OPERATIONS. COMMUNICATIONS CONTROL IS PROVIDED BY THE FRONT-END COMMUNICATIONS PROCESSORS DATANET 30, 305, OR 355. MEMORY CAPACITY IS 128K TO 1024K WORDS. THE GCOS OPERATING SYSTEM PROVIDES MULTIPROCESSING CAPABILITIES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 1024K CORE
 CYCLE TIME: 1.2/0.5 USEC
 ADD TIME: .71 USEC
 CACHE MEMORY: 2KB
 # OF INSTRUCTIONS: 185
 INSTRUCTION TYPES (1): DEFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE: 6.0MB
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: HEALS, TOLTS

PRICES

COMPUTER: \$1564285, 128K
 MEMORY: \$446919, 64K
 SYSTEM: \$1871536, 128K
 INCLUDES 128K CPU; I/O MULTIPLEXOR; DISK UNIT (62MB); 3 MAGNETIC TAPE UNITS;
 TRAIN PRINTER (1150 LPM); CARD READER/PUNCH (900/300 CPN).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: DSS181,190B,0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500,MTV500
 TAPE CASSETTE:
 LINE PRINTER: PRT201,203,30X,401
 SERIAL PRINTER: N/A
 CARD RD,PN: CRZ201,301;CP2201
 PAPER TAPE RD,PN: PPS200
 DISPLAY TERMINAL: CSF6001
 MULTIPLEXOR: SYM,ASYM
 TERMINALS/SYSTEM:
 OTHER: DATANET 355,305,30

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE MODEL 6180 IS AN ENHANCED VERSION OF THE MODEL 6080 SUPPORTS THE HONEYWELL MULTICS SOFTWARE. MULTICS (MULTIPLXED INFORMATION AND COMPUTING SERVICE) PROVIDES DATA MANAGEMENT WITH HIGH LEVEL DATA SECURITY. SPECIAL HARDWARE FEATURES OF THE MODEL 6180 ALLOW SEGMENTATION AND PAGING OF VIRTUAL MEMORY. MODEL 6180 IS PROVIDED ON AN AS-AVAILABLE BASIS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 80 TO 1024K CORE
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: 2KB
 # OF INSTRUCTIONS: 185
 INSTRUCTION TYPES (1): DEFIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BDRME/
 INTERFACE SLOTS: 10-24

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MSTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: HEALS, TOLTS

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: DSS181,190B,0450
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MTH200-500,MTV600
 TAPE CASSETTE:
 LINE PRINTER: PRT201,203,30X,401
 SERIAL PRINTER: N/A
 CARD RD,PN: CRZ201,301,CPZ201
 PAPER TAPE RD,PN: PPS200
 DISPLAY TERMINAL: CSF6001
 MULTIPLEI/O: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: DATANET 355,305,30

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER: JOVIAL, ABACUS,ALP

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE IBM MODEL 12 IS A GENERAL PURPOSE MINICOMPUTER OF THE IBM SYSTEMS/3 FAMILY FOR INFORMATION PROCESSING AND COMMUNICATIONS APPLICATIONS. THE MODEL 12 USES A DIRECT ACCESS STORAGE FACILITY WHICH SIMULATES DISK STORAGE UNDER THE OPTIONAL SYSTEM CONTROL PROGRAMMING. FEATURES INCLUDE OPTIONAL REAL TIME CLOCK, AUTODIAL I/O COMMUNICATIONS AND A VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES COBOL AND RPG.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 32 TO 64K MOSFET
 CYCLE TIME: 1.52 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1):
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /BST
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): C/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- REAL TIME ENTR
- T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$50645, 32K #5412
 MEMORY: \$2700, 16K
 SYSTEM: \$110335, 32K
 INCLUDES 32K CPU; #5424 MULTIFUNCTION CARD UNIT (60-250 CPM); #3340 DISK AND CRT DISK (91.9NB); #3343 TWO DISKS (82M); #5023 PRINTER (100 LPS); #3275 DISPLAY STATION (1920 CHAR).

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3340,3348
 FIXED HEAD DISK: 3340,3348
 FLEXIBLE DISK: 3741 DATA STATION
 MAGNETIC TAPE: 3411-X
 TAPE CASSETTE:
 LINE PRINTER: 5203-X, 1403-X
 SERIAL PRINTER: 328X, 5471
 CARD RD, PN: 5424; 1442
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: 3277
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: MCR 1255, OMR 3881

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE IBM SYSTEM/3, MODEL 15 IS AN ENHANCED MODEL 10 WHICH MEMORY PROTECTION AND A WIDE VARIETY OF PERIPHERALS INCLUDING A LARGE CAPACITY DISK STORAGE DRIVE. RPG, FORTRAN AND COBOL SOFTWARE SUPPORT IS AVAILABLE.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 48 TO 256K MOSFET
 CYCLE TIME: 1.52 USEC
 ADD TIME: 9.1 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BD/
 ACCUMULATORS: 8
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): /BST
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): RME/C
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$65510, 48K #5415
 MEMORY: \$4160, 16K
 SYSTEM: \$117410, 48K
 INCLUDES 48K CPD; #1403 PRINTER (465 LPM); #3277 DISPLAY STATION; \$5444 DISK AND
 CART DISK (4.9MB); #5424 MULTIFUNCTION CARD UNIT (60-250 CPM).

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 5444
 FIXED HEAD DISK: 5444
 FLEXIBLE DISK: 3741 DATA STATION
 MAGNETIC TAPE: 3411-X
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403-X
 SERIAL PRINTER: 3284, 3713
 CARD RD, PN: 2501 RD; 1442 RD/PN
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: 3277
 MULTIPLEXOR: SYN
 TERMINALS/SYSTEM:
 OTHER: MCR 1255, OMR 3881

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE IBM 360/22 IS A SMALL TO MEDIUM-SCALE GENERAL PURPOSE COMPUTER. THE MODEL 22 IS A LOW-COST VERSION OF THE 360/30. IT IS UPWARD COMPATIBLE WITH THE SERIES 360, AND HAS A MULTIPLEX CHANNEL, SELECTOR CHANNEL AND DECIMAL ARITHMETIC AS STANDARD FEATURES. ONE LOW-SPEED AND ONE HIGH-SPEED I/O DEVICE CAN BE HANDLED CONCURRENTLY. SEVERAL OPERATING SYSTEMS AND MANY SOFTWARE APPLICATIONS PROGRAMS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 24 TO 64K
 CYCLE TIME: 1.5 USEC
 ADD TIME: 30 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDEFH/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 170MB
 PROCESSOR FEATURES (3): BCPRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS/360
- * REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: BOS/360, TOS/360

PRICES

COMPUTER: \$SEE MFR #2022
 MEMORY:
 SYSTEM: \$103400, 24K
 INCLUDES CPU; #1440 CARD READ/PUNCH (400CPH, 160 CPS); #1443 PRINTER (240 LPH).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2311
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2415, 2401, 341X, 3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 1443, 1403, 3211
 SERIAL PRINTER: 3284, 3286
 CARD RD, PW: 1442, 25X
 PAPER TAPE RD, PW: 1017, 1018, 2671
 DISPLAY TERMINAL: 22K0, 327K
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COHM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1968, THE MODEL 25 IS A SMALL TO MEDIUM-SCALE, GENERAL PURPOSE COMPUTER UPWARD COMPATIBLE WITH THE OTHER MEMBERS OF THE SYSTEM/360 SERIES. SELECTED I/O DEVICES CAN BE DIRECTLY CONNECTED TO THE PROCESSOR VIA INTEGRATED I/O ATTACHMENTS. ONE OPTIONAL SELECTOR OR MULTIPLEXER CHANNEL MAY ALSO BE ATTACHED. SOFTWARE SUPPORT INCLUDES VARIOUS OPERATING SYSTEMS AND MANY APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 48K
 CYCLE TIME: .9 USEC
 ADD TIME: 47 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 94/136
 INSTRUCTION TYPES (1): BDFPH/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDT/
 I/O TRANSFER RATE: .6MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS/360
- * REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: BOS/360, TOS/360

PRICES

COMPUTER: \$586 MFR #2025
 MEMORY:
 SYSTEM: \$111600
 INCLUDES 16K CPU; #1052 PRINTER-KEYBOARD; #2540 CARD READ/PUNCH (1000 CPM, 300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2311
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401, 2415, 3410, 3411
 TAPE CASSETTE: N/A
 LINE PRINTER: 140X, 144X
 SERIAL PRINTER: 3284, 3286
 CARD RD, PH: 1442; 25XI
 PAPER TAPE RD, PH: 1017, 1018, 2611
 DISPLAY TERMINAL: 2260, 2265, 327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COHM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1964, THE IBM 360/30 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER. THE 360/30 HAS TWICE THE MAIN MEMORY CAPACITY, FASTER CYCLE AND ADD TIMES, AND A GREATER NUMBER OF COMMUNICATIONS CHANNELS THAN THE 360/22. SEVERAL OPERATING SYSTEMS AND MANY SOFTWARE APPLICATIONS PROGRAMS ARE AVAILABLE.

<p>APPLICATION (*)</p> <ul style="list-style-type: none"> * BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC * ENGINEERING/COMPUTATION * EDUCATIONAL SYSTEM * BANKING SYSTEM * DATA ENTRY SYSTEM <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 8 BITS MEMORY: 24 TO 64K CYCLE TIME: 1.5 USEC ADD TIME: 30 USEC CACHE MEMORY: N/A # OF INSTRUCTIONS: 139 INSTRUCTION TYPES (1): BDEPH/ ACCUMULATORS: 16 INDEX REGISTERS: 16 I/O COMMUNICATIONS (2): ABD/ I/O TRANSFER RATE: 170*MB PROCESSOR FEATURES (3): BCPRME/ INTERFACE SLOTS:</p> <p>SYSTEMS SOFTWARE (*)</p> <ul style="list-style-type: none"> * ASSEMBLER * MACRO ASSEM * DISK MONITOR DOS/360 * REAL TIME MNTR T/S MONITOR * BATCH MONITOR * DATA BASE SYS OTHER: BOS/360, TOS/360 <p>PRICES</p> <p>COMPUTER: \$SEE MFR #2030 MEMORY: SYSTEM: \$153500 INCLUDES CPU; #1442 CARD READER/PUNCH (400 CPH, 160 CPS); #1443 PRINTER (240 LPH).</p>	<p>FEATURES (*)</p> <ul style="list-style-type: none"> * UPWARD COMPATIBLE * FIELD SERVICE * APPLICATION SOFTWARE * CONVERSATIONAL LANGUAGES USE MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR <p>PERIPHERALS (Model #, Specs, N/A)</p> <p>REMOVABLE DISK: 231X FIXED HEAD DISK: 24XX, 34XX, 2420 FLEXIBLE DISK: N/A MAGNETIC TAPE: 2420 TAPE CASSETTE: N/A LINE PRINTER: 1443, 1403, 3211 SERIAL PRINTER: 3284, 3286 CARD RD, PN: 1442; 251X PAPER TAPE RD, PN: 1017, 1018, 2671 DISPLAY TERMINAL: 22X0, 327X MULTIPLEXOR: 8 CONTROL UNITS TERMINALS/SYSTEM: OTHER: 370X COMM CONTROLLER</p> <p>SOFTWARE LANGUAGES (*)</p> <ul style="list-style-type: none"> * APL * ALGOL * SINGLE BASIC * MULTI BASIC * COBOL * FORTRAN * PL1 ± RFG OTHER: <p>MARKETING</p> <p>MAIN MARKET: END USER UNITS SOLD: MAINTENANCE: ON CALL</p>
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(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1964, THE IBM MODEL 40 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER THAT IS COMPATIBLE WITH MODELS 22, 30, 50, 65, AND 75 OF THE SYSTEM/360. THE MODEL 40 FEATURES A MULTIPLEXER CHANNEL AS STANDARD AND UP TO TWO SELECTOR CHANNELS AS OPTIONAL EQUIPMENT. ONE LOW-SPEED AND ONE HIGH-SPEED I/O DEVICE CAN BE HANDLED CONCURRENTLY. SOFTWARE SUPPORT INCLUDES SEVERAL OPERATING SYSTEMS AND NUMEROUS APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 32 TO 262K
 CYCLE TIME: 2.5 USEC
 ADD TIME: 11.88 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: .8MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR DOS/360
 - * REAL TIME MSTR
 T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: BOS/360, TOS/360, OS/MFT

PRICES

COMPUTER: \$SEE MFR #2040
 MEMORY:
 SYSTEM: \$250200
 INCLUDES 32K CPU; #1442 CARD READ/PUNCH
 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USE MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X
 FIXED HEAD DISK: 2303
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 24IX, 34IX
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403-04, 1443, 3211
 SERIAL PRINTER: 3284, 3286
 CARD RD, PW: 1442, 25XX
 PAPER TAPE RD, PW: 1017, 1018, 2671
 DISPLAY TERMINAL: 22X0, 2265, 327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 (400 CPM, 16 CPS); #1443 PRINTER (240

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1964, THE IBM MODEL 50 IS A GENERAL PURPOSE COMPUTER THAT IS COMPATIBLE WITH MODELS 22, 30, 40, 65 AND 75 OF THE SYSTEM360. THE MODEL 50 FEATURES A MULTIPLEXER CHANNEL AS STANDARD AND UP TO THREE SELECTOR CHANNELS AS OPTIONAL EQUIPMENT. ONE LOW-SPEED AND ONE HIGH-SPEED I/O DEVICE CAN BE HANDLED CONCURRENTLY. SOFTWARE SUPPORT INCLUDES SEVERAL OPERATING SYSTEMS AND NUMEROUS APPLICATION PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 131 TO 524K
 CYCLE TIME: 2 USEC
 ADD TIME: 4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BCPRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR DOS/360
 - * REAL TIME MNTSR
 - T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/HPT, OS/HVT, TOS/360, BOS/36

PRICES

COMPUTER: \$SEE MFR #2050
 MEMORY:
 SYSTEM: \$571900
 INCLUDES 131K CPU; #2415 MAG TAPE UNIT AND CONTROL (15KB, 800 BPI); #144) PRINTER: (240 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X
 FIXED HEAD DISK: 2303
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 24XX, 34XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403-04, 1443, 3211
 SERIAL PRINTER: 3284, 3286
 CARD RD, PN: 1442; 25XX
 PAPER TAPE RD, PN: 1017, 1018, 2671
 DISPLAY TERMINAL: 22X0, 2265, 327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1965, THE IBM MODEL 65 IS A LARGE-SCALE, GENERAL PURPOSE COMPUTER COMPATIBLE WITH MODELS 22, 30, 40, 50, 75, AND 195 OF THE SYSTEM/360. THE MODEL 65 HAS THE ABILITY TO FUNCTION AS A MULTIPROCESSOR SYSTEM. IT CAN HAVE UP TO SEVEN I/O CHANNELS WITH ARIIOUS COMBINATIONS OF SELECTOR AND MULTIPLEXER CHANNELS AVAILABLE. NUMEROUS SOFTWARE APPLICATION PACKAGES AND OPERATING SYSTEMS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 262 TO 2097K
 CYCLE TIME: .75 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 1.3MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS/360
- * REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/HVT, OS/HFT, TOS/360, BOS/36

PRICES

COMPUTER: \$SEE MFR #3165
 MEMORY:
 SYSTEM: \$1172850

INCLUDES 262K CPU; #2365 PROCESSOR STORAGE; #2860 SELECTOR CHANNEL; MAGNETIC TAPE UNIT AND CONTROL (15KB, 800 BPI); PRINTER (240 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X
 FIXED HEAD DISK: 2301,2303
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401,2415,2420,3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403,1443,3211
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 1442;25XX
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 22X0,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1965, THE IBM MODEL 67 IS A LARGE-SCALE COMPUTER SYSTEM DESIGNED FOR TIME SHARING APPLICATIONS. OPTIONAL FEATURES INCLUDE MULTI-STORAGE AND MULTI CHANNEL SWITCHING CAPABILITIES WITH DUAL PROCESSOR CONFIGURATIONS. EXTENSIVE SOFTWARE SUPPORT IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 262 TO 1048K
 CYCLE TIME: .75 USEC
 ADD TIME: 1.6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 1.3MB
 PROCESSOR FEATURES (3): BCDFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS/360
- * REAL TIME MSTR
- * T/S MONITOR TSS/360
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: TOS,BOS,OS(MVT,MFT),CP/67

PRICES

COMPUTER: \$58E MFR #2067
 MEMORY:
 SYSTEM: \$1254175
 INCLUDES 262K CPU; #2365 PROCESSOR STORAGE; #1052 PRINTER-KEYBOARD; #2860 SELEC-
 TOR CHANNEL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 231X
 FIXED HEAD DISK: 2301,2303
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401,2415,2420,3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403,1443,3211
 SERIAL PRINTER: 3284,3286
 CARD RD,PM: 1442,2501,251X
 PAPER TAPE RD,PM: 2822,2671
 DISPLAY TERMINAL: 2560,2565,327X
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1965, THE IBM MODEL 75 IS A LARGE-SCALE, GENERAL PURPOSE COMPUTER COMPATIBLE WITH MODELS 22, 30, 40, 50, 65, AND 195 OF THE SYSTEM/360. THE MODEL 75 CAN HAVE UP TO SEVEN I/O CHANNELS WITH VARIOUS COMBINATIONS OF SELECTOR AND MULTIPLEXER CHANNELS. SOFTWARE SUPPORT INCLUDES SEVERAL OPERATING SYSTEMS AND NUMEROUS APPLICATION PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 262 TO 1048K
 CYCLE TIME: .75 USEC
 ADD TIME: .7 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 1.3MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR DOS/360
 - * REAL TIME MNTN
 - T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/HVT, OS/HFT, TOS/360, BOS/36

PRICES

COMPUTER: \$SEE MFR #2075
 MEMORY:
 SYSTEM: \$1492100

INCLUDES 262K CPU; #2365 PROCESSOR STORAGE; #2860 SELECTOR CHANNEL; MAG TAPE UNIT AND CONTROL (15KB, 800 BPI); PRINTER (240 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X
 FIXED HEAD DISK: 2301,2303
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401,2415,2420,3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403,1443,3211
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 1442;25XX
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 22X0,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1968, THE IBM SYSTEM 360, MODEL 195 IS A LARGE-SCALE, GENERAL PURPOSE COMPUTERS COEATIBLE WITH MODELS 22, 30, 40, 50, 65, AND 75 OF SYSTEM/-360. MODEL 195 FEATURES PRECISION FLOATING POINT ARITHMETIC AND CAN HAVE UP TO SEVEN I/O CHANNELS WITH VARIOUS COMBINATIONS OF SELECTOR, MULTIPLEXOR, AND BLOCK MULTIPLEXOR CHANNELS. VARIOUS OPERATING SYSTEMS AND NUMEROUS SOFTWARE APPLICATION PACKAGES ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 1048 TO 4194K
 CYCLE TIME: .756 USEC
 ADD TIME: .054 USEC
 CACHE MEMORY: 32KB, 54NS
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 1.5MB
 PROCESSOR FEATURES (3): BCFRNE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS/360
- * REAL TIME MNTR
T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: TOS/360,OS/HVT,OS/HPT,BOS/36

PRICES

COMPUTER: \$58E MFR, 1048K #3195
 MEMORY:
 SYSTEM: \$4715700, 1048K
 INCLUDES 1048K CPU; #2860 SELECTOR CHANNEL; #3060 CONSOLE; #1442 PRINTER; #1442 CARD RD/PN.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 333X,3830,231X
 FIXED HEAD DISK: 230X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401,2420,3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403,1443,3211
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 1442,25XX,35X5,2540
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 22X0,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE IBM 370/115 IS A MEDIUM-SCALE GENERAL PURPOSE COMPUTER UPWARD COMPATIBLE WITH THE OTHER MEMBERS OF THE IBM 370 SERIES. FEATURES INCLUDE A WRITABLE CONTROL STORE. SELECTED I/O DEVICES CAN BE ATTACHED DIRECTLY TO THE PROCESSOR VIA INTEGRATED ATTACHMENTS. ADDITIONAL PERIPHERALS MAY ALSO BE CONNECTED VIA AN OPTIONAL MULTIPLEXOR CHANNEL. SOFTWARE SUPPORT IS EXTENSIVE INCLUDING VARIOUS OPERATING SYSTEMS AND APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 64 TO 256K
 CYCLE TIME: .480 USEC
 ADD TIME: 14.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDMT/
 I/O TRANSFER RATE: .029MB
 PROCESSOR FEATURES (3): BCDPRMEX/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR DOS/VS
 - * REAL TIME MNTDR T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$97700, 65K #3115
 MEMORY:
 SYSTEM: \$238800, 65K
 INCLUDES CPU; #3340 DISK AND CONTROL; 2 #3348 DATA MODULES; #1442 CARD RD/PN; #5248 MULTIPLEXOR CHANNEL; #1443 PRINT-ER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3340
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 3540 (READ,WRITE)
 MAGNETIC TAPE: 3410,3411
 TAPE CASSETTE: N/A
 LINE PRINTER: 3203,1443,1403
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 35X5,25X0,1442
 PAPER TAPE RD,PN: 1017;1018
 DISPLAY TERMINAL: 2260,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMB CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
 - ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE IBM 370/125 IS A SMALL TO MEDIUM-SCALE GENERAL PURPOSE COMPUTER UPWARD COMPATIBLE WITH THE OTHER MEMBERS OF THE IBM 370 SERIES. THE 370/125 IS A FASTER AND MORE POWERFUL MACHINE THAN THE 370/115. FEATURES INCLUDE A WRITABLE CONTROL STORE AND AN OPTIONAL MULTIPLEXOR CHANNEL. SOFTWARE SUPPORT IS EXTENSIVE INCLUDING VARIOUS OPERATING SYSTEMS AND APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 64 TO 256K
 CYCLE TIME: .480 USEC
 ADD TIME: 9.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDMT/
 I/O TRANSFER RATE: .029MB
 PROCESSOR FEATURES (3): BCDFRHEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS/VS
- * REAL TIME MNTR
T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$161300, 100K #3125
 MEMORY:
 SYSTEM: \$5EE MFR
 INCLUDES CPU; #3340 DISK AND CONTROL; 2
 #1443 PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 333X,3340
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 3540 (READ,WRITE)
 MAGNETIC TAPE: 3410,3411
 TAPE CASSETTE: N/A
 LINE PRINTER: 3203,1443,1403
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 35X5,25X0,1442
 PAPER TAPE RD,PN: 1017,1018
 DISPLAY TERMINAL: 2260,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
SINGLE BASIC
MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 #3346 DATA MODULES; #1442 CARD RD/PN;

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE IBM MODEL 135 IS A MEDIUM-SCALE, VIRTUAL STORAGE COMPUTER SYSTEM DESIGNED FOR BOTH COMMERCIAL AND SCIENTIFIC APPLICATIONS. THE MODEL 135 IS A FULLY COMPATIBLE MEMBER OF THE 370 SERIES AND IS UPWARD COMPATIBLE FROM THE 360 SERIES. A MULTIPLEXER CHANNEL IS STANDARD AND TWO OPTIONAL SELECTOR CHANNELS MAY BE APPLIED. MODEL 135 ALSO HAS AN INTEGRATED COMMUNICATIONS CAPABILITY FOR UP TO EIGHT BISYNCHRONOUS LINES. EXTENSIVE SOFTWARE SUPPORT IS AVAILABLE INCLUDING SEVERAL OPERATING SYSTEMS AND A WIDE VARIETY OF APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 96 TO 524K
 CYCLE TIME: .275-1.485 USEC
 ADD TIME: 4.2 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 163
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDMT/
 I/O TRANSFER RATE: 2.6MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEN
- * DISK MONITOR DOS, DOS/V5
- * REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/V51, OS/MFT, VM/370

PRICES

COMPUTER: \$252800, 100K #3135
 MEMORY:
 SYSTEM: \$480050
 INCLUDES 96K CPU; #3046 POWER UNIT; #3210 CONSOLE AND ADAPTER; #1442 CARD RD/PN;
 #3340 DISK DRIVE ADAPTER AND 2 #3348 DATA MODULES; 2 MAG TAPE UNITS.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X, 333X, 3830
 FIXED HEAD DISK: 2303
 FLEXIBLE DISK: 3540 (READ, WRITE)
 MAGNETIC TAPE: 24XX, 34XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211, 14X3
 SERIAL PRINTER: 3210, 3215, 3284, 3286
 CARD RD, PN: 1442, 35X5, 25XX
 PAPER TAPE RD, PN: 1017, 1018
 DISPLAY TERMINAL: 2260, 2265, 327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE IBM 370/138 IS A MEDIUM-TO-LARGE SCALE, VIRTUAL MEMORY, GENERAL PURPOSE COMPUTER DESIGNED TO OPERATE UNDER THE VM/370 OPERATING SYSTEM. IT FEATURES 500KB OR 1MB OF MEMORY, A .275 TO 1.485 USEC CYCLE TIME, A #3203 LINE PRINTER, AND A SYNCHRONOUS DATA LINK. THE TWO VERSIONS ARE THE MODEL 138I (500KB OF MEMORY) AND MODEL 138J (1MB OF MEMORY). A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 500 TO 1000K
 CYCLE TIME: .275-1.485 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABT/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCDFRNEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS, DOS/VS
- * REAL TIME MONTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/VS1, OS/HFT, VM/370

PRICES

COMPUTER: \$350000, 500K #I
 MEMORY:
 SYSTEM: \$NONE

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X, 333X, 383U
 FIXED HEAD DISK: 2303
 FLEXIBLE DISK: 3540 (READ, WRITE)
 MAGNETIC TAPE: 24XX, 34XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211, 14X3, 3203
 SERIAL PRINTER: 3284, 3286
 CARD RD, PN: 1442, 35X5, 25XX
 PAPER TAPE RD, PN: 1017, 1018
 DISPLAY TERMINAL: 2260, 2265, 327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1970, THE IBM MODEL 145 IS A MEDIUM-SCALE, VIRTUAL STORAGE COMPUTER SYSTEM DESIGNED FOR COMMERCIAL AND SCIENTIFIC APPLICATIONS. THE MODEL 145 IS UPWARD COMPATIBLE FROM THE SERIES 360 AND COMPATIBLE WITH THE SERIES 370. MULTIPLEXER AND SELECTOR CHANNELS ARE STANDARD AND UP TO THREE ADDITIONAL SELECTOR CHANNELS MAY BE APPLIED. EXTENSIVE SOFTWARE SUPPORT IS AVAILABLE INCLUDING SEVERAL OPERATING SYSTEMS AND A WIDE VARIETY OF APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 163 TO 2097K
 CYCLE TIME: .2025/.315 USEC
 ADD TIME: 2.1 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BDEFN/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDH/
 I/O TRANSFER RATE: 1.85MB
 PROCESSOR FEATURES (3): BCDFRNEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR DOS/VS,DOS
 - * REAL TIME MNTR
 T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/VS1,OS/VS2,OS/MVT,OS/HFT

PRICES

COMPUTER: \$534700, 163K #3145
 MEMORY:
 SYSTEM: \$825300
 INCLUDES 163K CPU; #1442 CARD READ/PUNCH; #3210 CONSOLE PRINTER; #2312 DISK;
 #2314 DISK CONTROL; TWO MAG TAPE DRIVES.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 231X,333X,3830
 FIXED HEAD DISK: 2303,2305
 FLEXIBLE DISK: 3540 (READ,WRITE)
 MAGNETIC TAPE: 24XX,34XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211,14X3
 SERIAL PRINTER: 3210,3215,3284,3286
 CARD RD,PN: 1442,35X5,25XX
 PAPER TAPE RD,PN: 1017,1018,2896
 DISPLAY TERMINAL: 2260,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE IBM 370/148 IS A MEDIUM-TO-LARGE SCALE, VIRTUAL MEMORY, GENERAL PURPOSE COMPUTER DESIGNED TO OPERATE UNDER THE VM/370 OPERATING SYSTEM. IT FEATURES 1MB OR 2MB OF MEMORY, A .18 TO .27 USEC CYCLE TIME, AND THE #3203 LINE PRINTER. THE TWO VERSIONS ARE THE MODEL 148J (1MB OF MEMORY) AND MODEL 148K (2MB OF MEMORY). A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 1000 TO 2000K
 CYCLE TIME: .18-27 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BDEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDM/
 I/O TRANSFER RATE: 1.85MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR DOS/V, DOS
- * REAL TIME MNTN
 T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/V51,OS/V52,OS/MFT,OS/HVT

PRICES

COMPUTER: \$689000, 1000K #J
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X,333X,3830
 FIXED HEAD DISK: 2303,2305
 FLEXIBLE DISK: 3540 (READ,WRITE)
 MAGNETIC TAPE: 24XX,34XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211,14X3,3203
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 1442,35X5,25XX
 PAPER TAPE RD,PN: 1017,1018,2896
 DISPLAY TERMINAL: 2260,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE IBM MODEL 155 IS A LARGE-SCALE, GENERAL PURPOSE SYSTEM, UPWARD COMPATIBLE WITH THE SERIES 360. A BYTE MULTIPLEXER CHANNEL AND TWO BLOCK MULTIPLEXER CHANNELS ARE STANDARD. UP TO THREE ADDITIONAL BLOCK MULTIPLEXER CHANNELS CAN BE APPLIED. EXTENSIVE SOFTWARE INCLUDES SEVERAL OPERATING AND MANY APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 262 TO 2097K
 CYCLE TIME: 2.1 USEC
 ADD TIME: .99 USEC
 CACHE MEMORY: 8KB, 60NS
 # OF INSTRUCTIONS: 159
 INSTRUCTION TYPES (1): BDFPH/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDH/
 I/O TRANSFER RATE: 1.5MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM MVS, SYS
- * DISK MONITOR DOS, VS
- * REAL TIME MNTR T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/V51, OS/V52, OS/MVT, OS/MFT

PRICES

COMPUTER: \$1017300, 262K #3155
 MEMORY:
 SYSTEM: \$1240300
 INCLUDES 262K CPU; #3360 PROCESSOR STORAGE; #3210 CONSOLE PRINTER; #1442 CARD RD/PN (400 CPM/160 CPS); #1443 PRINTER (240 LPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X, 333X, 3340
 FIXED HEAD DISK: 2303, 2305
 FLEXIBLE DISK: 3540 (READ, WRITE)
 MAGNETIC TAPE: 24XX, 34XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211, 14X3
 SERIAL PRINTER: 3210, 3215, 3284, 3286
 CARD RD, PN: 1442, 35X5, 25XX
 PAPER TAPE RD, PN: 1017, 1018, 2896
 DISPLAY TERMINAL: 2260, 2265, 327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE IBM MODEL 158 IS A LARGE-SCALE, GENERAL PURPOSE COMPUTER. IT IS UPWARD COMPATIBLE WITH THE SERIES 360 MODELS 22 TO 195 AND S/370 MODELS 155, 165, 195. THE MODEL 158 IS FULLY COMPATIBLE WITH S/370 MODELS 135, 145, AND 168. A DUAL PROCESSOR VERSION OF THE MODEL 158 IS AVAILABLE. TWO BLOCK MULTIPLEXER CHANNELS AND A BYTE MULTIPLEXER CHANNEL ARE STANDARD AND UP TO THREE BLOCK MULTIPLEXER CHANNELS CAN BE ADDED. EXTENSIVE SOFTWARE INCLUDES SEVERAL OPERATING SYSTEMS AND MANY APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 524 TO 4194K
 CYCLE TIME: .69-1.035 USEC
 ADD TIME: .8 USEC
 CACHE MEMORY: 8KB
 # OF INSTRUCTIONS: 159
 INSTRUCTION TYPES (1): BDEPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDM/
 I/O TRANSFER RATE: 1.5MB
 PROCESSOR FEATURES (3): BCDFRHEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM MVS,SVS
 - * DISK MONITOR DOS/VS
 - * REAL TIME MSTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/HVT,OS/HFT,OS/VS1,OS/VS2

PRICES

COMPUTER: \$1295200, 500K #3158
 MEMORY:
 SYSTEM: \$1892100
 INCLUDES 524K CPU; #3213 PRINTER (85 CPS); #7840 PRINTER ATTACHMENT; #1442 CARD READ/PUNCH (400 CPH, 160 CPS).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X,333X,3340
 FIXED HEAD DISK: 2303,2305
 FLEXIBLE DISK: 3540
 MAGNETIC TAPE: 24XX,34XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211,14X3
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 1442,35X5,25XX
 PAPER TAPE RD,PN: 1017,1018
 DISPLAY TERMINAL: 2260,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1971, THE IBM MODEL 165 IS A LARGE-SCALE GENERAL PURPOSE SYSTEM, UPWARD COMPATIBLE WITH THE SERIES 360. UP TO SEVEN LOGICAL CHANNELS CAN BE ATTACHED PER CPU CONSISTING OF VARIOUS COMBINATIONS OF MULTIPLEXER AND SELECTOR CHANNELS. EXTENSIVE SOFTWARE INCLUDES SEVERAL OPERATING SYSTEMS AND MANY APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 524 TO 3145K
 CYCLE TIME: 2 USEC
 ADD TIME: .16 USEC
 CACHE MEMORY: 16KB, 80NS
 # OF INSTRUCTIONS: 159
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDM/
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM MVS,SVS
- * DISK MONITOR DOS,VS
- * REAL TIME MNTN
 T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/VS1,OS/VS2,OS/MVT,OS/MPT

PRICES

COMPUTER: \$1814600 #3165
 MEMORY:
 SYSTEM: \$2772600
 INCLUDES 524K CPU; TWO #3360 PROCESSOR
 PUNCHER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X,333X,3340
 FIXED HEAD DISK: 230X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401,2415,2420,3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211,14X3
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 1442,35X5,25X1
 PAPER TAPE RD,PN: 1017,1018,2896
 DISPLAY TERMINAL: 2260,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 STORAGE; CONSOLE; PRINTER; CARD READER/-
 PUNCHER.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE IBM MODEL 168 IS A LARGE-SCALE, GENERAL PURPOSE COMPUTER. IT IS UPWARD COMPATIBLE WITH S/360 MODELS 22 TO 195 AND SERIES 370 MODELS 135, 145, 158. A DUAL PROCESSOR VERSION OF THE MODEL 168 IS AVAILABLE UP TO SEVEN CHANNELS CONSISTING OF COMBINATIONS OF SELECTOR, MULTIPLEXER AND BLOCK MULTIPLEXER CHANNELS CAN BE ATTACHED. EXTENSIVE SOFTWARE INCLUDES SEVERAL OPERATING SYSTEMS AND MANY APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 1048 TO 8388K
 CYCLE TIME: .48 USEC
 ADD TIME: .15 USEC
 CACHE MEMORY: 16KB, 80NS
 # OF INSTRUCTIONS: 159
 INSTRUCTION TYPES (1): BDEFH/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM MVS, SVS
- DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/VS1, OS/VS2, OS/MVT, OS/MPT

PRICES

COMPUTER: \$2094500, 1000K #3168
 MEMORY:
 SYSTEM: \$3671600
 INCLUDES 104K CPU; CONSOLE; PRINTER; CARD READER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X, 333X, 3340
 FIXED HEAD DISK: 230X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401, 2415, 2420, 3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 3211, 14X3
 SERIAL PRINTER: 3284, 3286
 CARD RD, PN: 1442, 35X5, 25X1
 PAPER TAPE RD, PN: 1017, 1018, 2896
 DISPLAY TERMINAL: 2260, 2265, 327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE MODEL 195 IS A LARGE-SCALE SYSTEM FOR USE IN LARGE BUSINESS AND INSTITUTIONAL DATA CENTERS IN ANY FIELD. UP TO SEVEN SELECTOR AND/OR MULTIPLEXOR CHANNELS MAY BE ATTACHED WITH AT LEAST ONE REQUIRED. SEVERAL OPERATING SYSTEMS AND A WIDE RANGE OF APPLICATIONS SOFTWARE ARE AVAILABLE. A BASIC COMPUTER INCLUDES A CPU WITH 1024K MEMORY, CONSOLE, HARD COPY OUTPUT DEVICE, CARD READER AND PUNCHER, SELECTOR CHANNEL, POWER UNIT, POWER DISTRIBUTION UNIT, COOLANT DISTRIBUTION UNIT, AND MOTOR GENERATOR SET.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 1048 TO 4194K
 CYCLE TIME: .756 USEC
 ADD TIME: .054 USEC
 CACHE MEMORY: 32KB, 54NS
 # OF INSTRUCTIONS: 136
 INSTRUCTION TYPES (1): BDFEM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 1.5MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM MVS,SVS
- DISK MONITOR
- * REAL TIME MSTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/VSI,OS/MVT,OS/MPT

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$4819710
 INCLUDES 1048K CPU; CONSOLE; #1443 PRINTER; #1442 CARD READER/PUNCHER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 333X,3830,231X
 FIXED HEAD DISK: 230X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 2401,2420,3420
 TAPE CASSETTE: N/A
 LINE PRINTER: 1403,1443,3211
 SERIAL PRINTER: 3284,3286
 CARD RD,PN: 1442,25XX,35X5
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: 22X0,2265,327X
 MULTIPLEXOR: 8 CONTROL UNITS
 TERMINALS/SYSTEM:
 OTHER: 370X COMM CONTROLLER

SOFTWARE LANGUAGES (*)

- * APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE IBM 3031 IS A MEMBER OF THE IBM 30 SERIES OF 8-BIT PROCESSORS DESIGNED FOR A VARIETY OF COMMERCIAL AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE FOUR-WAY INTERLEAVING, 2 TO 6 MEGABYTES IN MAIN MEMORY, UPGRADABLE IN 1 MEGABYTE INCREMENTS, 32K BUFFER STORAGE, A MEMORY CYCLE TIME OF 345 TO 805 NSEC, A MACHINE CYCLE TIME OF 115 NSEC, 6 BUILT-IN CHANNELS, INSTRUCTION PREFETCHING DONE BY FIRMWARE IN SEPARATE BUFFERS, AND COMPATIBILITY WITH THE IBM 370 SERIES. FIRST DELIVERIES ARE SCHEDULED FOR THE FIRST QUARTER OF 1978. A 4-YEAR LEASE AT \$39,310/MONTH IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 2097 TO 6291K
 CYCLE TIME: .115 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS: 128
 INSTRUCTION TYPES (1): P/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MONTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/VSI, OS/VSI2, OS/HVT, OS/HPT

PRICES

COMPUTER: \$830000
 MEMORY: \$110000
 SYSTEM: \$5EE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X, 333X, 3540
 FIXED HEAD DISK: 2305
 FLEXIBLE DISK:
 MAGNETIC TAPE: 24XX, 341X, 3420
 TAPE CASSETTE:
 LINE PRINTER: 1053, 1403, 32XX
 SERIAL PRINTER:
 CARD RD, PN: 144X, 25XX, 35XX
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL: 2250, 2260, 3277
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: ARRAY PROCESSOR 3838

SOFTWARE LANGUAGES (*)

- * APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE IBM 3032 IS A MEMBER OF THE IBM 30 SERIES OF 8-BIT PROCESSORS DESIGNED FOR A VARIETY OF COMMERCIAL AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE FOUR-WAY MEMORY INTERLEAVING, 2 TO 6 MEGABYTES IN MAIN MEMORY UPGRADABLE IN 2 MEGABYTES INCREMENTS, 32K BUFFER STORAGE, A MEMORY CYCLE OF 320 NSEC, A MACHINE CYCLE TIME OF 80 NSEC, 6 BUILT IN CHANNELS, INSTRUCTION PREPROCESSING BUILT INTO FIRMWARE WHICH RUNS IN ITS OWN BUFFER MEMORY, AND COMPATIBILITY WITH THE IBM 370 SERIES. THE 3032 USES THE SAME PERIPHERALS AS THE 370 MODELS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 2097 TO 6192K
 CYCLE TIME: .08 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNT
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/VS1,OS/VS2,OS/MVT,OS/HPT

PRICES

COMPUTER: \$1590000, 6000K
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X,333X,3540
 FIXED HEAD DISK: 2305
 FLEXIBLE DISK:
 MAGNETIC TAPE: 24XX,341X,3420
 TAPE CASSETTE:
 LINE PRINTER: 1053,1403,32XX
 SERIAL PRINTER:
 CARD RD,PN: 144X,25XX,35XX
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: 2259,2269,3277
 MULTIPLEXOR: SYN,ASN
 TERMINALS/SYSTEM: ARRAY PROC.3838
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE IBM 3033 IS A MEMBER OF THE IBM 30 SERIES OF 8-BIT COMPUTERS DESIGNED FOR A VARIETY OF COMMERCIAL AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE FOUR-WAY MEMORY INTERLEAVING, 4 TO 8 MEGABYTES IN MAIN MEMORY, 64K BUFFER STORAGE, A MEMORY CYCLE TIME OF 290 TO 464 NSEC, A MACHINE CYCLE TIME OF 58 NSEC, 12 BUILT IN CHANNELS, AND COMPATIBILITY WITH THE IBM 370 SERIES. THE 3033 USES THE SAME PERIPHERALS AS THE 370 MODELS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 4096 TO 8192K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): EFS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): EK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEMB
 DISK MONITOR
 REAL TIME MONTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$3070000, 4K
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 231X,333X,3540
 FIXED HEAD DISK: 2305
 FLEXIBLE DISK:
 MAGNETIC TAPE: 24XX,341X,3420
 TAPE CASSETTE:
 LINE PRINTER: 1053,1403,32XX
 SERIAL PRINTER:
 CARD RD,PN: 144X,25XX,35XX
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: 2250,2260,3277
 MULTIPLEXOR: SYNC,ASYN
 TERMINALS/SYSTEM:
 OTHER: ARRAY PROCESSOR 3838

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Slack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE ICL 4/72 IS A GENERAL PURPOSE, REAL TIME, MICROPROGRAMMED COMPUTER DESIGNED FOR LARGE-SCALE COMMERCIAL AND SCIENTIFIC APPLICATIONS. THE ICL 4/72 CPU FEATURES A MEMORY CAPACITY OF 1048K, SCRATCHPAD STORAGE, PARITY CHECK, STORE PROTECT, A 144 INSTRUCTION SET, MULTIPROGRAMMING, AND UP TO 56 PERIPHERALS. SOFTWARE SUPPORT INCLUDES ALGOL AND FORTRAN COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 65 TO 1048K
 CYCLE TIME: .52 USEC
 ADD TIME: 1(32 BITS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 144
 INSTRUCTION TYPES (1): BEFM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR
 T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

UPWARD COMPATIBLE
 FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 4425,4440
 FIXED HEAD DISK: 4430
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 4451,4460
 TAPE CASSETTE: N/A
 LINE PRINTER: 4550
 SERIAL PRINTER: N/A
 CARD RD,PN: 451X;4520
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisyynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1971, THE ICL 1904S IS A 24-BIT COMPUTER SYSTEM DESIGNED FOR LARGE-SCALE APPLICATIONS SUCH AS DATA BASE MANAGEMENT. IT INCORPORATES HARDWARE PROTECTION FEATURES, TO STRENGTHEN ITS SUITABILITY FOR DATA BASE SYSTEMS, WHERE BATCH PROCESSING AND COMMUNICATIONS TERMINAL ACTIVITY ARE CARRIED OUT SIMULTANEOUSLY. THE 1904S PROCESSOR HAS A MONOLITHIC MEMORY WITH A 500 NANOSECOND CYCLE TIME. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 524K
 CYCLE TIME: .3 USEC
 ADD TIME: 1.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 115
 INSTRUCTION TYPES (1): FIN/
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): CDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNT
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER: GEORGE 3,4

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 28IX
 FIXED HEAD DISK: 1962
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 197X, 250X
 TAPE CASSETTE: N/A
 LINE PRINTER: 193X, 240X
 SERIAL PRINTER: 708X
 CARD RD, PN: 210X, 2151, 192X
 PAPER TAPE RD, PN: 7024, 7025
 DISPLAY TERMINAL: 7181
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL BABS
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN FORCON, FLAIR
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE ICL 1906S IS A LARGE, HIGH SPEED, GENERAL PURPOSE PROCESSOR DESIGNED FOR BUSINESS AND SCIENTIFIC USE. THE OVERALL PERFORMANCE OF THE 1906S IS ONE AND A HALF TIMES GREATER THAN THAT OF THE 1906A, WITH A DATA THROUGHPUT FOR THE 1906S OF ELEVEN MILLION CHARACTERS PER SECOND. THE 1906S FEATURES AN INTERLEAVED MAIN STORE AND A PLATED WIRE MEMORY WITH A 300 NANOSECOND CYCLE TIME.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 524K
 CYCLE TIME: .3 USEC
 ADD TIME: .6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 115
 INSTRUCTION TYPES (1): FIM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 11MB
 PROCESSOR FEATURES (3): CDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME HMTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER: GEORGE 3,4

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 28XX
 FIXED HEAD DISK: 1962
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 197X, 250X
 TAPE CASSETTE: N/A
 LINE PRINTER: 193X, 240X
 SERIAL PRINTER: 708X
 CARD RD, PN: 210X; 2151, 192X
 PAPER TAPE RD, PN: 7024, 7025
 DISPLAY TERMINAL: 7181
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL BABS
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN FORCON, FLAIR
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE INFOREX 7110 IS A DISTRIBUTED PROCESSING INTELLIGENT TERMINAL SYSTEM. IT FEATURES TWICE THE MEMORY CAPACITY OF THE 7115. LIKE ALL SYSTEM 7000 PROCESSORS, THE 7110 CAN BE USED ALONE OR IN CLUSTERED SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 64K MOS
 CYCLE TIME: .75 USEC
 ADD TIME: 1.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 224
 INSTRUCTION TYPES (1): /
 ACCUMULATORS: 4
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): D/
 I/O TRANSFER RATE: 312MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 32

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTB
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$68100

INCLUDES 64K CPU; MASTER TERMINAL; SEVEN LOCAL OR REMOTE TERMINALS; FOUR MASS STORAGE UNITS; 600 LPM PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 10MB (UP TO 4)
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 250MB
 MAGNETIC TAPE: 9/800, 9/1600
 TAPE CASSETTE: N/A
 LINE PRINTER: 300-600 LPM
 SERIAL PRINTER: 45-165 CPS
 CARD RD, PN: 300; N/A
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: 1920 CHARS
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 100 (03/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE INTERDATA 8/32 IS A 32-BIT, GENERAL PURPOSE MINICOMPUTER WITH UP TO ONE MILLION BYTES OF DIRECTLY ADDRESSABLE MEMORY. IT FEATURES FOUR WAY INTERLEAVED MEMORY, MULTIPLE REGISTER STACKS, FLOATING POINT HARDWARE AND DUAL I/O BUS ARCHITECTURE. THE EXTENSIVE SOFTWARE INCLUDES BOTH SERIAL AND MULTI-TASKING OPERATING SYSTEMS. A VARIETY OF PERIPHERALS IS AVAILABLE. THE FORTRAN PROCESSING SYSTEM IS AVAILABLE USING THE 8/32 WITH 256K MEMORY. THE FPS INCLUDES A 10MB DISK, CRT-TERMINAL OS/32 MT OPERATING SYSTEM AND FORTRAN VI.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: TO 1024K
 CYCLE TIME: .75 USEC
 ADD TIME: 1.25 USEC
 CACHE MEMORY: 450NS
 # OF INSTRUCTIONS: 219
 INSTRUCTION TYPES (1): BEMS/F
 ACCUMULATORS: 32
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): /ABDMST
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDV/FME
 INTERFACE SLOTS: 2 BUS

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME ENTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$89100, 128K
 MEMORY: \$20000, 128K
 SYSTEM: \$SEE MFR, 128K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 2.5-256MB, HSH80, 300
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: YES (AVAIL 2/77)
 MAGNETIC TAPE: YES
 TAPE CASSETTE: YES
 LINE PRINTER: 200-600 LPM
 SERIAL PRINTER: 15-30 CPS
 CARD RD,PN: 400-1000 CP;N/A
 PAPER TAPE RD,PN: YES;YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: ASYN, SYN, A-D
 TERMINALS/SYSTEM:
 OTHER: DIGITAL I/O

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: MACRO CAL

MARKETING

MAIN MARKET:
 UNITS SOLD: 100 (00/00)
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE ADVANCED SYSTEM 4 IS A 16-BIT COMPUTER FEATURING 1MB OF MEMORY, A CONTROL CONSOLE AND A PRINTER. UP TO 4MB CAN BE ADDED IN 1MB INCREMENTS. THE AS/4 IS COMPLETELY COMPATIBLE WITH THE IBM 370/158; ALL PERIPHERALS WHICH WILL INTERFACE TO AN IBM 370/158 WILL RUN ON THE AS/4. MOST USER SOFTWARE DEVELOPED FOR THE IBM 370/158 IS ALSO COMPATIBLE. PRINCIPLE OPERATING SYSTEMS INCLUDE DOS/VS, OS/VS1, OS/VS2, MVS AND VH/370.

APPLICATION (*)

BUSINESS/COMMERCIAL
 COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 1000 TO 4000K
 CYCLE TIME: .115 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1) : /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2) : /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3) : /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

* ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 1000K
 MEMORY: \$110000, 1000K
 SYSTEM: \$812000, 1000K

INCLUDES 1MB CPU; DISPLAY CONSOLE WITH KEYBOARD AND LIGHT PEN; 180 CPS PRINTER.

FEATURES (*)

UPWARD COMPATIBLE
 FIELD SERVICE
 APPLICATION SOFTWARE
 * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 * VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE:
 LINE PRINTER: YES
 SERIAL PRINTER: 180 CPS
 CARD RD,PN: YES
 PAPER TAPE RD,PN: YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

* APL
 * ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

THE ADVANCED SYSTEM 5-1 IS A 16-BIT COMPUTER FEATURING 1 MB OF MEMORY, A CONTROL CONSOLE AND A PRINTER. UP TO 8 MB OF MEMORY CAN BE ADDED IN 1 MB INCREMENTS. THE AS/5-1 IS COMPLETELY OPERATIONALLY COMPATIBLE WITH THE IBM 370/158; ALL PERIPHERALS WHICH WILL INTERFACE TO THE 370/158 WILL RUN ON AN AS/5-1. MOST USER SOFTWARE IS ALSO COMPATIBLE. PRINCIPLE OPERATING SYSTEMS INCLUDE DOS/V5, OS/V51, OS/V52, MVS AND VM/370.

APPLICATION (*)

BUSINESS/COMMERCIAL
 COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 1000 TO 8000K
 CYCLE TIME: .115 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

* ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTFR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 1000K
 MEMORY: \$82000, 1000K
 SYSTEM: \$107200, 1000K

INCLUDES 1MB CPU; CRT CONSOLE AND LIGHT

FEATURES (*)

UPWARD COMPATIBLE
 FIELD SERVICE
 APPLICATION SOFTWARE
 * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 * VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE:
 LINE PRINTER: YES
 SERIAL PRINTER: 180 CPS
 CARD RD,PN: YES
 PAPER TAPE RD,PN: YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

* APL
 * ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:
 PEN; 180 CPS PRINTER.

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

THE ADVANCED SYSTEM 5-3 IS A 16-BIT COMPUTER FEATURING 1 MB OF MEMORY, A CONTROL CONSOLE AND A PRINTER. UP TO 8 MB OF MEMORY CAN BE ADDED IN 1 MB INCREMENTS. THE AS/5-3 IS COMPLETELY OPERATIONALLY COMPATIBLE WITH THE IBM 370/158; ALL PERIPHERALS WHICH WILL INTERFACE TO THE 370 /158 WILL RUN ON THE AS/5-3. MOST USER SOFTWARE DEVELOPED FOR THE 370/158 IS ALSO COMPATIBLE. PRINCIPLE OPERATING SYSTEMS INCLUDE DOS/VS, OS/VS1, OS/VS2, MVS, AND VM/370.

APPLICATION (*)

BUSINESS/COMMERCIAL
 COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 1000 TO 8000K
 CYCLE TIME: .115 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

* ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 1000K
 MEMORY: \$82000, 1000K
 SYSTEM: \$1137000, 1000K
 INCLUDES 1 MB CPU; CRT CONSOLE AND LIGHT PEN; 180 CPS PRINTER.

FEATURES (*)

UPWARD COMPATIBLE
 FIELD SERVICE
 APPLICATION SOFTWARE
 * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 * VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE:
 LINE PRINTER: YES
 SERIAL PRINTER: 180 CPS
 CARD RD,PN: YES
 PAPER TAPE RD,PN: YES
 DISPLAY TERMINAL: YES
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

* APL
 * ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1973, THE QM-1 IS A USER-PROGRAMMABLE, 18-BIT COMPUTER FOR SMALL TO MEDIUM-SCALE APPLICATIONS. FEATURED IS A WRITABLE CONTROL STORE OF UP TO 32K WORDS FOR MICRO-INSTRUCTIONS, PERMITTING THE COMPUTER TO BE MICROPROGRAMMED ON SITE TO MEET CHANGING REQUIREMENTS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 18 BITS
 MEMORY: 16 TO 1000K CORE
 CYCLE TIME: .24 USEC
 ADD TIME: 1.5 USEC
 CACHE MEMORY: 80KB, 75NS
 # OF INSTRUCTIONS: UNLTD
 INSTRUCTION TYPES (1): BDEFIHS/
 ACCUMULATORS: 44
 INDEX REGISTERS: 60
 I/O COMMUNICATIONS (2): ADS/BM
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): BCVRE/FM
 INTERFACE SLOTS: 8

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$91824
 MEMORY: \$4960, 16K
 SYSTEM: \$191276
 INCLUDES CPU WITH 9K CONTROL STORE AND 16K MAIN STORE; CARTRIDGE TAPE SYSTEM;
 CARD READER; LINE PRINTER; DISK DRIVE; CONSOLE ASSEMBLY WITH CRT.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 9750,9755
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: N243X, 253X, N488 10
 TAPE CASSETTE:
 LINE PRINTER: N244Y
 SERIAL PRINTER: N/A
 CARD RD, PN: N600; N2458
 PAPER TAPE RD, PN: N2468
 DISPLAY TERMINAL: N4023
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 10 (00/00)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE NCR CENTURY 50 IS THE LOW END OF THE NCR CENTURY SERIES OF UPWARDLY COMPATIBLE COMPUTERS DESIGNED TO SUPPORT DISK-ORIENTED BUSINESS DATA PROCESSING APPLICATIONS. THE CENTURY 50 FEATURES A 16K TO 32K ROD TYPE MEMORY, NEAT/3, COBOL, FORTRAN, AND SINGLE AND MULTI-USER BASIC LANGUAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 32K ROD
 CYCLE TIME: .8 USEC
 ADD TIME: 22.4/8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 19
 INSTRUCTION TYPES (1): BDI/
 ACCUMULATORS: 1
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: .208MB
 PROCESSOR FEATURES (3): /E
 INTERFACE SLOTS: 8/16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MONTR 8K
- * T/S MONITOR 16K
- * BATCH MONITOR 4K
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$N/A, 16K
 MEMORY:
 SYSTEM: \$55850, 16K
 INCLUDES 16K CPU; DISK (8.4MB) PRINTER (200 LPM); CARD READER (300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #. Specs. N/A)

REMOVABLE DISK: 655-101
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 633-117/119
 TAPE CASSETTE:
 LINE PRINTER: 640
 SERIAL PRINTER: 260
 CARD RD,PN: 682-100;686-111
 PAPER TAPE RD,PN: 660-101;665-101
 DISPLAY TERMINAL: 796
 MULTIPLEXOR: ASYN,SYN 621-103
 TERMINALS/SYSTEM:
 OTHER: MICR SORTER 670-101

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- * MULTI BASIC 32K
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER: NCR NEAT/3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 1186 (11/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE CENTURY 75 IS THE LOW END MEMBER OF THE CENTURY LINE OF BUSINESS ORIENTED COMPUTERS. THE SYSTEM COMES EQUIPPED WITH PROVEN APPLICATION SOFTWARE AS WELL AS SEVERAL PROGRAMMING LANGUAGES FOR WRITING APPLICATIONS. HARDWARE FEATURES INCLUDE A FULL LINE OF PERIPHERALS, BYTE-MANIPULATION INSTRUCTIONS, SELECTABLE LINE SPEEDS, AND AUTODIAL FOR ADDED COMMUNICATIONS CAPABILITY.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 64K
 CYCLE TIME: 1.2 USEC
 ADD TIME: 28.8,5BYTES USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 34/3
 INSTRUCTION TYPES (1): BDI/M
 ACCUMULATORS: 0
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): ABST/
 I/O TRANSFER RATE: .416MB
 PROCESSOR FEATURES (3): RE/D
 INTERFACE SLOTS: 7

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM 16K
- * DISK MONITOR
- * REAL TIME MNT 8K
- * T/S MONITOR 16K
- * BATCH MONITOR 4K
- DATA BASE SYS
- OTHER: MULT/PROGRAMMER

PRICES

COMPUTER: \$5EE MFR, 16K
 MEMORY: \$5000, 32K
 SYSTEM: \$56850, 16K
 INCLUDES 16K CPU; CARD READER (300 CPM); PRINTER (200 LPM); 9.8MB DISK (1 FIXED, 1 REMOVABLE, 4.9MB EACH), TTY, I/O WRITER (60 CPS).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 656
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 633
 TAPE CASSETTE: 636,260-6
 LINE PRINTER: 640-102
 SERIAL PRINTER: 30 CPS
 CARD RD,PN: 682 (STANDARD) READER
 PAPER TAPE RD,PM: N/A;N/A
 DISPLAY TERMINAL: 796
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 * MULTI BASIC 32K
 * COBOL 16K
 * FORTRAN 16K
 PL1
 * RPG 16K
 OTHER: NCR NEAT/3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 66 (12/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1968, THE CENTURY 100 IS A MINICOMPUTER SYSTEM DESIGNED TO SUPPORT DISK-ORIENTED BUSINESS DATA PROCESSING APPLICATIONS. IT IS BASED ON THE NCR CENTURY 50 PROCESSOR, BUT INCLUDES HIGHER PERFORMANCE PERIPHERALS. FEATURES INCLUDE A 16K TO 32K ROD TYPE MEMORY, NEAT/3, FORTRAN, COBOL, PLUS SINGLE AND MULTI-USER BASIC LANGUAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 32K ROD
 CYCLE TIME: .8 USEC
 ADD TIME: 22.4/8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 19
 INSTRUCTION TYPES (1): BDI/
 ACCUMULATORS: 1
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: .208MB
 PROCESSOR FEATURES (3): /E
 INTERFACE SLOTS: 8/16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR 8K
- * T/S MONITOR 16K
- * BATCH MONITOR 4K
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 16K
 MEMORY:
 SYSTEM: \$71500, 16K
 INCLUDES 16K CPU; DISK (8.4MB); PRINTER (450-900 LPM); CARD READER (300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 655-101
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 633-117/119
 TAPE CASSETTE: 636
 LINE PRINTER: 640,643
 SERIAL PRINTER: 260
 CARD RD,PN: 682-100;686-111
 PAPER TAPE RD,PN: 660-101;665-101
 DISPLAY TERMINAL: 796
 MULTIPLEXOR: ASYN,SYN 621-103
 TERMINALS/SYSTEM:
 OTHER: MICR SORTER 670-101

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- * MULTI BASIC 32K
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 15K
- OTHER: NCR NEAT/3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 1495 (11/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE NCR CENTURY 101 IS A VERSATILE AND FASTER GENERAL PURPOSE COMPUTER SYSTEM THAN THE MODELS 50 AND 100 IN THE CENTURY SERIES, DESIGNED TO SUPPORT DISK-ORIENTED BUSINESS DATA PROCESSING APPLICATIONS. THE MEMORY CAPACITY IS EXPANDABLE TO 64K WORDS, TWO MORE I/O TRUNKS CAN BE ADDED, AND A WIDE RANGE OF PERIPHERALS AND EXTENSIVE SOFTWARE ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 128K CORE
 CYCLE TIME: 1.2 USEC
 ADD TIME: 28.8(5DIG) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 34/8 OPT
 INSTRUCTION TYPES (1): BI/M
 ACCUMULATORS:
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): ST/AB
 I/O TRANSFER RATE: .833MB
 PROCESSOR FEATURES (3): RK/CM
 INTERFACE SLOTS: 9

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM 16K
- * DISK MONITOR
- * REAL TIME MNTR 8K
- * T/S MONITOR 16K
- * BATCH MONITOR 4K
- * DATA BASE SYS
- OTHER: MULT/PROGRAMMER 16K

PRICES

COMPUTER: \$SEE MFR, 16K
 MEMORY:
 SYSTEM: \$69520, 16K
 INCLUDES 16KB CPU; FIXED DISK (4.9MB); DISK UNIT AND CONTROLLER (4.9MB); PRINTER (300 LPM); CARD READER (300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 656
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 634,635
 TAPE CASSETTE: 636
 LINE PRINTER: 647,649
 SERIAL PRINTER: 260
 CARD RD,PN: 680,68X
 PAPER TAPE RD,PN: 660
 DISPLAY TERMINAL: 796
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- * MULTI BASIC 32K
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER: NCR NEAT/3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 1375 (12/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multipoint Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1974, THE CENTURY 151 IS A GENERAL PURPOSE COMPUTER USED FOR BUSINESS APPLICATIONS. FEATURES INCLUDE MEMORY PARITY, PRIORITY INTERRUPTS AND OPTIONAL HARDWARE MULTIPLY AND DIVIDE INSTRUCTIONS. SOFTWARE SUPPORT INCLUDES MULTIPROGRAMMING, TWO TIME SHARING MONITORS, BASIC AND BASIC M, AND AN RPG COMPILER. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 256K MOS
 CYCLE TIME: .75 USEC
 ADD TIME: 18 (5 B) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 34
 INSTRUCTION TYPES (1): BDI/M
 ACCUMULATORS: 0
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): /AB
 I/O TRANSFER RATE: 1.33MB
 PROCESSOR FEATURES (3): RE/CM
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER NEAT 3
 - * MACRO ASSEM NEAT 3, HIGH LEVEL
 - * DISK MONITOR
 - * REAL TIME MONTR B-2 8K
 - * T/S MONITOR 16K, 32K
 - * BATCH MONITOR B-1 4K
 - * DATA BASE SYS MCR TOTAL
- OTHER: MULTIPROGRAMMING B-3 16K

PRICES

COMPUTER: \$N/A, 64K
 MEMORY:
 SYSTEM: \$119925, 64K
 INCLUDES 64K CPU; DISK (9.8MB); LINE PRINTER (300 LPM); SERIAL PRINTER (30 CPS); CARD READER (300 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 65X
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 63X
 TAPE CASSETTE: 636
 LINE PRINTER: 64X
 SERIAL PRINTER: 260
 CARD RD, PM: 1200 CPM; 460 CPM
 PAPER TAPE RD, PM: 660
 DISPLAY TERMINAL: 796
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC 16K
 - * MULTI BASIC 32K
 - * COBOL 16K
 - * FORTRAN 16K
 - PL1
 - * RPG 16K
- OTHER: 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 249 (11/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1969, THE CENTURY 200 IS A MEDIUM-SCALE, DISK-ORIENTED SYSTEM DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE MULTIPROGRAMMING AND OPTIONAL FLOATING-POINT AND DECIMAL MULTIPLICATION HARDWARE. SOFTWARE SUPPORT INCLUDES BASIC AND RPG COMPILERS, APPLICATIONS PACKAGES, AND TWO TIME SHARING MONITORS, BASIC AND BASIC M.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 256K
 CYCLE TIME: .68 USEC
 ADD TIME: 18 (8 BITS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 39
 INSTRUCTION TYPES (1): BDI/PM
 ACCUMULATORS: 1
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): /ABST
 I/O TRANSFER RATE: .909MB
 PROCESSOR FEATURES (3): RE/BCM
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER NEAT-3
 - * MACRO ASSEM NEAT-3, HIGH LEVEL
 - * DISK MONITOR
 - * REAL TIME MONTR B-2 8K
 - * T/S MONITOR 16K, 32K
 - * BATCH MONITOR B-1 4K
 - * DATA BASE SYS NCR TOTAL
- OTHER: MULTIPROGRAMMING B-3 16K

PRICES

COMPUTER: \$N/A, 16K
 MEMORY: \$41000, 16K
 SYSTEM: \$168500, 16K

INCLUDES 16K CPU; DUAL DISK (8.4MB); LINE PRINTER (1500/3000 LPM); CARD READER (300 CPM); TELEPRINTER WITH KEYBOARD.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 657-102
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 635-209
 TAPE CASSETTE: 636-301
 LINE PRINTER: 647-201
 SERIAL PRINTER: 260-1
 CARD RD, PM: 684-101
 PAPER TAPE RD, PM: 660-101; 665-101
 DISPLAY TERMINAL: 796-101/201/301
 MULTIPLEXOR: 621-103
 TERMINALS/SYSTEM:
 OTHER: MICR SORTER 671-101

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC 16K
 - * MULTI BASIC 32K
 - * COBOL 16K
 - * FORTRAN 16K
 - PL1
 - * RPG 16K
- OTHER: NEAT-3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 637 (11/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisyynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1974, THE CENTURY 201 IS A GENERAL PURPOSE COMPUTER USED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. THE SYSTEM IS SIMILAR TO THE CENTURY 200 AND FEATURES A MINIMUM MEMORY CONFIGURATION OF 64K, MEMORY PARITY, AND PRIORITY INTERRUPT STRUCTURE. SOFTWARE SUPPORT INCLUDES TWO TIME SHARING MONITORS: BASIC AND BASIC M, AS WELL AS REAL TIME, TIME SHARING AND BATCH PROCESSING SYSTEMS MONITORS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 256K CORE
 CYCLE TIME: .68 USEC
 ADD TIME: 18 (8 BITS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 39
 INSTRUCTION TYPES (1): BDI/EPM
 ACCUMULATORS:
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): M/ABST
 I/O TRANSFER RATE: 1.7MB
 PROCESSOR FEATURES (3): RE/BCM
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER HEAT-3
- * MACRO ASSEM HEAT-3, HIGH LEVEL
- * DISK MONITOR
- * REAL TIME MONITOR B-2 8K
- * T/S MONITOR 16K, 32K
- * BATCH MONITOR B-1 4K
- * DATA BASE SYS MCR TOTAL
- OTHER: MULTIPROGRAMMING B-3 16K

PRICES

COMPUTER: \$N/A, 32K
 MEMORY:
 SYSTEM: \$280000, 32K
 INCLUDES 32K CPU; DUAL DISK (96MB), LINE PRINTER (1500/3000 LPM); CARD READER (300 CPM); TELEPRINTER WITH KEYBOARD.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 658-201
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 635-209
 TAPE CASSETTE: 636-301
 LINE PRINTER: 647-201
 SERIAL PRINTER: 260-1
 CARD RD, PN: 684-101
 PAPER TAPE RD, PN: 660-101, 665-101
 DISPLAY TERMINAL: 796-101/201/301/401
 MULTIPLEXOR: 621-103
 TERMINALS/SYSTEM:
 OTHER: MICR SORTER 671-101

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- * MULTI BASIC 32K
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 16K
- OTHER: HEAT-3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 315 (11/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE CENTURY 251 IS A MEDIUM TO LARGE-SCALE, UPWARD COMPATIBLE COMPUTER SYSTEM DESIGNED FOR MULTIPROGRAMMING APPLICATIONS. IT CAN CONTROL LARGE MULTITERMINAL SYSTEMS WHILE CONCURRENTLY PROCESSING SEVERAL BATCH PROGRAMS. OPTIONAL FEATURES OF THE CENTURY 200 ARE STANDARD FOR THE 251. SOFTWARE SUPPORT INCLUDES DATA BASE MANAGEMENT, EXTENSIVE BUSINESS APPLICATIONS PROGRAMS, BASIC AND FORTRAN COMPILERS, AND TWO TIME SHARING MONITORS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 24 TO 1024K CORE
 CYCLE TIME: .68 USEC
 ADD TIME: 4.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 71
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/ST
 I/O TRANSFER RATE: 3.18MB
 PROCESSOR FEATURES (3): BCRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER NEAT-3 16K
- * MACRO ASSEM NEAT-3 16K, HIGH LEV
- * DISK MONITOR
- * REAL TIME MNTN B-2 8K
- * T/S MONITOR 16K, 32K
- * BATCH MONITOR B-1 8K
- * DATA BASE SYS NCR TOTAL 17.5K
- OTHER: MULTIPRO. B-3 24K; B-4 64K

PRICES

COMPUTER: \$223700, 96K
 MEMORY:
 SYSTEM: \$SEE MFR, 48K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 658-201
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 635-209
 TAPE CASSETTE: 636-301
 LINE PRINTER: 647-201
 SERIAL PRINTER: 260-1
 CARD RD, PN: 684-101
 PAPER TAPE RD, PN: 660-101; 665-101
 DISPLAY TERMINAL: 796-101/201/301/401
 MULTIPLEXOR: 621-103 SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: MICR SORTER 671-101

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 * MULTI BASIC 32K
 * COBOL 16K
 * FORTRAN 16K
 PL 1
 * RPG 32K
 OTHER: NEAT-3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 60 (12/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisyronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1971, THE CENTURY 300 IS A MEDIUM TO LARGE-SCALE COMPUTER SYSTEM DESIGNED FOR MULTIPROGRAMMING APPLICATIONS. IT CAN CONTROL LARGE MULTITERMINAL SYSTEMS WHILE CONCURRENTLY PROCESSING SEVERAL BATCH PROGRAMS. OPTIONAL HARDWARE FEATURES OF THE CENTURY 200 ARE STANDARD FEATURES FOR THE NCR CENTURY 300. SOFTWARE SUPPORT INCLUDES DATA BASE MANAGEMENT, EXTENSIVE BUSINESS APPLICATIONS PROGRAMS, BASIC AND FORTRAN COMPILERS, AND TWO TIME SHARING MONITOR. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 24 TO 1024K CORE
 CYCLE TIME: .68 USEC
 ADD TIME: 4.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 71
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS:
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): AB/ST
 I/O TRANSFER RATE: 3.72MB
 PROCESSOR FEATURES (3): BCRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER NEAT-3 16K
- * MACRO ASSEM NEAT-3 16K, HIGH LEV
- * DISK MONITOR
- * REAL TIME MNTR B-2 8K
- * T/S MONITOR 16K, 32K
- * BATCH MONITOR B-1 8K
- * DATA BASE SYS MCR TOTAL 17.5K
- OTHER: MULTIPRO. B-3 24K; B-4 64K

PRICES

COMPUTER: \$279120, 32K
 MEMORY:
 SYSTEM: \$SEE MFR, 48K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 658-201
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 635-209
 TAPE CASSETTE: 636-301
 LINE PRINTER: 647-201
 SERIAL PRINTER: 260-1
 CARD RD, PN: 684-101
 PAPER TAPE RD, PN: 660-101; 665-101
 DISPLAY TERMINAL: 796-101/201/301/401
 MULTIPLEXOR: 621-103 SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: MICR SORTER 671-101

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- * MULTI BASIC 32K
- * COBOL 16K, 32K
- * FORTRAN 16K
- PL1
- * RPG 32K
- OTHER: NEAT-3 16K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 41 (12/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- I = Priority Interrupt
- = Vectored Interrupt

INTRODUCED IN 1977, THE CRITERION 8450 IS A 32-BIT GENERAL PURPOSE COMPUTER SYSTEM WITH MEMORY CAPACITY RANGING FROM 128K TO 1024K. THE MODEL FEATURES OPTIONAL SELECTABLE LINE SPEEDS AND DYNAMIC PAGE RELOCATION. AMONG STANDARD FEATURES ARE REAL TIME CLOCK AND INDIRECT ADDRESSING. SOFTWARE SUPPORT INCLUDES BASIC FOR MULTI-USERS, COBOL, RPG, FORTRAN, AND NEAT/3. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 128 TO 1024K MOS
 CYCLE TIME: 112 NS USEC
 ADD TIME: 0.11 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 71
 INSTRUCTION TYPES (1): BDEFIA/
 ACCUMULATORS: N/A
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): DM/ABST
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): BCRMEK/D
 INTERFACE SLOTS: N/A

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 64KB
 - * MACRO ASSEM 64KB
 - * DISK MONITOR 6.5KB
 - * REAL TIME MNT 8.0KB
 - * T/S MONITGR 16KB
 - * BATCH MONITOR 6.5KB
 - * DATA BASE SYS 17.5KB
- OTHER:

PRICES

COMPUTER: \$88950, 128K
 MEMORY: \$9500, 1024K
 SYSTEM: \$199525, 32K

INCLUDES 128K CPU; INTEGRATED DISK CONTROLLER; DISK; LINE PRINTER; CARD READER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 656,658
 FIXED HEAD DISK:
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 634,635
 TAPE CASSETTE: 636
 LINE PRINTER: 64Y
 SERIAL PRINTER: 260,6440
 CARD RD,PM: 6831
 PAPER TAPE RD,PM: 6640
 DISPLAY TERMINAL: 796
 MULTIPLEXOR: 621
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC 32KB
 * COBOL 32KB
 * FORTRAN 16KB
 PL1
 * RPG 32KB
 OTHER: NEAT/3, 64KB

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1976, THE CRITERION 8550 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. IT FEATURES AN INTERNAL TRANSFER BUS (ITB) FOR HIGH SPEED COMMUNICATIONS BETWEEN CRITERION SUBSYSTEMS, VIRTUAL MEMORY UNDER THE VAX OPERATING SYSTEM AND FROM 32K TO 128K WORDS OF MOS MEMORY. THE CRITERION SERIES IS HARDWARE AND SOFTWARE COMPATIBLE WITH THE NCR CENTURY SERIES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 32 TO 128K
 CYCLE TIME: .475 USEC
 ADD TIME: 8.2(8BITS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 71
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS:
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): B/ADST
 I/O TRANSFER RATE: 3.1MB
 PROCESSOR FEATURES (3): BCRMEK/D
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 64K
- * MACRO ASSEM 64K
- * DISK MONITOR 6.5K
- * REAL TIME MNTR 8.0K
- * T/S MONITOR 16K
- * BATCH MONITOR 6.5K
- * DATA BASE SYS 17.5K
- OTHER:

PRICES

COMPUTER: \$107400, 32K
 MEMORY: \$16500, 16K
 SYSTEM: \$258900, 32K
 INCLUDES 32K CPU; DISK (200HB); #646 PRINTER; CARD READER (600 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 658
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 63X
 TAPE CASSETTE: 636
 LINE PRINTER: 64X
 SERIAL PRINTER: 260,644
 CARD RD,PN: 68X
 PAPER TAPE RD,PN: 6640
 DISPLAY TERMINAL: 796
 MULTIPLEXOR: SYM,ASYN,A-D
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC 32K
- * COBOL 32K
- * FORTRAN 16K
- PL1
- * RPG 32K
- OTHER: NEAT/3 64K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE CRITERION 8560 IS A 32-BIT GENERAL PURPOSE COMPUTER SYSTEM FEATURING MEMORY CAPACITY RANGING FROM 48K TO 384K. OTHER FEATURES INCLUDE OPTIONAL SELECTABLE LINE SPEEDS, DYNAMIC PAGE RELOCATION, PLUS STANDARD REAL TIME CLOCK AND INDIRECT ADDRESSING. SOFTWARE SUPPORT INCLUDES BASIC FOR MULTISERS, COBOL, RPG, FORTRAN AND NEAT/3. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 192 TO 1536K MOS
 CYCLE TIME: 84 NS USEC
 ADD TIME: .08 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 71
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: N/A
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): DM/ABST
 I/O TRANSFER RATE: 5MB
 PROCESSOR FEATURES (3): BCRMEK/D
 INTERFACE SLOTS: N/A

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 64KB
 - * MACRO ASSEM 64KB
 - * DISK MONITOR 6.5KB
 - * REAL TIME MONTR 8.0KB
 - * T/S MONITOR 16KB
 - * BATCH MONITOR 6.5KB
 - * DATA BASE SYS 17.5KB
- OTHER:

PRICES

COMPUTER: \$195200, 192K
 MEMORY: \$9500, 1536K
 SYSTEM: \$364550, 192K

INCLUDES 192K CPU; INTEGRATED DISK CONTROLLER; 3 DISKS; LINE PRINTER; CARD READER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 656,658
 FIXED HEAD DISK:
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 634,635
 TAPE CASSETTE: 636
 LINE PRINTER: 64X
 SERIAL PRINTER: 260,6440
 CARD RD,PN: 6831
 PAPER TAPE RD,PN: 6640
 DISPLAY TERMINAL: 7200
 MULTIPLEXOR: 621
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC 32KB
 * COBOL 32KB
 * FORTRAN 16KB
 PL1
 * RPG 32KB
 OTHER: NEAT/3, 64KB

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisyynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE CRITERION 8570 IS A 32-BIT GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. IT FEATURES AN INTERNAL TRANSFER BUS (ITB) FOR HIGH SPEED COMMUNICATIONS BETWEEN CRITERION SUBSYSTEMS, MEMORY INTERLEAVING, VIRTUAL MEMORY UNDER THE VIX OPERATING SYSTEM, AND FROM 64K TO 256K WORDS OF MOS MEMORY. THE CRITERION SERIES IS HARDWARE AND SOFTWARE COMPATIBLE WITH THE MCR CENTURY SERIES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 2048K
 CYCLE TIME: .475 USEC
 ADD TIME: 6.37(8BTS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 71
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS:
 INDEX REGISTERS: 63
 I/O COMMUNICATIONS (2): DM/ABST
 I/O TRANSFER RATE: 5.01MB
 PROCESSOR FEATURES (3): BCRMEK/D
 INTERFACE SLOTS: N/A

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 64K
 - * MACRO ASSEM 64K
 - * DISK MONITOR 6.5K
 - * REAL TIME MNT 8.0K
 - * T/S MONITOR 16K
 - * BATCH MONITOR 6.5K
 - * DATA BASE SIS 17.5K
- OTHER:

PRICES

COMPUTER: \$282700, 256K #8570
 MEMORY: \$19000, 128K
 SYSTEM: \$458250, 128K
 INCLUDES 64K CPU; DISK (200MB); #646 PRINTER; CARD READER (600 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 658
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 63X
 TAPE CASSETTE: 636
 LINE PRINTER: 64X
 SERIAL PRINTER: 260,644
 CARD RD,PN: 68X
 PAPER TAPE RD,PN: 6640
 DISPLAY TERMINAL: 796,7200
 MULTIPLEXOR: SYN,ASYN,A-D
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC 32K
 * COBOL 32K
 * FORTRAN 16K
 PL1
 * RPG 32K
 OTHER: NEAT/3 64K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE NCR N-8350 IS A BUSINESS-ORIENTED COMPUTER SYSTEM. THE N-8350 FEATURES A CRT CONSOLE, CASSETTE READER, LINE PRINTER AND DISK DRIVE. MEMORY CAN BE EXPANDED TO 128K AND A SECOND CASSETTE AND THERMAL PRINTER CAN BE ADDED. THE N-8350 IS UPWARD COMPATIBLE. SOFTWARE SUPPORT INCLUDES COBOL, FORTRAN, NEAT/3, BASIC, BATCH AND ONLINE OPERATING SYSTEMS AND PRE-PROGRAMMED BUSINESS APPLICATIONS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: 32 TO 128K CORE
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /M
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /C
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

INCLUDES 32K CORE MEMORY; CARTRIDGE DISK UNIT; CASSETTE TAPE READER; CRT CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE: YES
 LINE PRINTER: YES
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: YES
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER: NEAT/3

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE V-8580 IS AT THE TOP OF THE NCR 8000 SERIES. IT INCORPORATES A HARDWARE ASSIST UNIT, ALLOWING INDEX REGISTERS TO REPLACE FIRMWARE SUBROUTINES FOR ADDRESS ACCESSING. FOUR-WAY INTERLEAVING TO ENHANCE MEMORY ACCESSING IS ALSO FEATURED. THE SYSTEM OPERATES UNDER THE NCR VIRTUAL RESOURCE EXECUTIVE AND COMES WITH A LIBRARY OF APPLICATION PROGRAMS. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 1000K
 CYCLE TIME: .056 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1) : /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2) : /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3) : /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$517600, 256K
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE V-8590 IS A TOP-OF-THE-LINE NCR 8000 SERIES COMPUTER. IT INCORPORATES A HARDWARE ASSIST UNIT, ALLOWING INDEX REGISTERS TO REPLACE FIRMWARE SUBROUTINES FOR ADDRESS ACCESSING. FOUR-WAY INTERLEAVING TO ENHANCE MEMORY ACCESSING IS ALSO FEATURED. THE SYSTEM USES THE NCR VIRTUAL RESOURCE EXECUTIVE AND COMES WITH A LIBRARY OF APPLICATION PROGRAMS. A CHOICE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

* BUSINESS/COMMERCIAL
COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
MEMORY: 512 TO 1500K
CYCLE TIME: .056 USEC
ADD TIME:
CACHE MEMORY:
OF INSTRUCTIONS:
INSTRUCTION TYPES (1): /
ACCUMULATORS:
INDEX REGISTERS:
I/O COMMUNICATIONS (2): /
I/O TRANSFER RATE: 2.0MB
PROCESSOR FEATURES (3): /
INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
MACRO ASSEM
DISK MONITOR
REAL TIME HNTR
T/S MONITOR
BATCH MONITOR
DATA BASE SYS
OTHER:

PRICES

COMPUTER: \$720000, 512K
MEMORY:
SYSTEM: \$SEE MFR

FEATURES (*)

UPWARD COMPATIBLE
FIELD SERVICE
* APPLICATION SOFTWARE
* CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
FIXED HEAD DISK:
FLEXIBLE DISK:
MAGNETIC TAPE:
TAPE CASSETTE:
LINE PRINTER:
SERIAL PRINTER:
CARD RD,PN:
PAPER TAPE RD,PN:
DISPLAY TERMINAL:
MULTIPLEXOR:
TERMINALS/SYSTEM:
OTHER:

SOFTWARE LANGUAGES (*)

APL
ALGOL
SINGLE BASIC
MULTI BASIC
* COBOL
* FORTRAN
PL1
* RPG
OTHER:

MARKETING

MAIN MARKET:
UNITS SOLD:
MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1976, THE NIPPON NEC SYSTEM 100F IS AIMED AT THE BUSINESS, COMMERCIAL AND EDUCATIONAL MARKET PLACE. IT IS COMPRISED OF A CPU WITH AN 8-BIT WORD SIZE, WITH MEMORY EXPANDABLE FROM 16K TO 32K BYTES. SOFTWARE LANGUAGES WHICH ARE SUPPORTED ARE SINGLE-USER BASIC, MULTI-USER BASIC, COBOL, FORTRAN, RPG, AND ALPIKA. A FULL LINE OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 65K LSI
 CYCLE TIME: .99 (2BYTES) USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 30
 INSTRUCTION TYPES (1): BD/EFM
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE: 1.0MB
 PROCESSOR FEATURES (3): RE/
 INTERFACE SLOTS: 9

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEN
 * DISK MONITOR 7-8KB
 * REAL TIME MWTR 7-9KB
 T/S MONITOR
 * BATCH MONITOR 7-9KB
 DATA BASE SYS
 OTHER: OS-1, OS-2, OS-4 (12-16KB)

PRICES

COMPUTER: \$SEE MFR, 32K
 MEMORY:
 SYSTEM: \$57500, 32K
 INCLUDES 32K CPU; KEYBOARD/SP-40 (40 CPS SERIAL PRINTER); FLEXIBLE DISKETTE;
 DISK; LINE PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 4.9-9.8MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243-486KB
 MAGNETIC TAPE: 10-30KB/SEC
 TAPE CASSETTE: .7KB/SEC, 200KB
 LINE PRINTER: 100,200,300 LPM
 SERIAL PRINTER: 40,180 CPS
 CARD RD,PN: 300 CPM
 PAPER TAPE RD,PN: 100,300;20,110 CPS
 DISPLAY TERMINAL: 640,1920 CH/SCREEN
 MULTIPLEXOR: ASYN
 TERMINALS/SYSTEM:
 OTHER: MARK SHEET READER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL 8.5KB
 * FORTRAN 13.5KB
 PL1
 * RPG
 OTHER: APLIKA, BEST (8.5KB)

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 2860 (06/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE NIPPON NEC SYSTEM 100G IS A MEDIUM-SCALE ENHANCED VERSION OF THE FORMER NIPPON SYSTEM 100 COMPUTERS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS, AND FEATURES MULTIPLE WORKSTATION CAPABILITY. SOFTWARE SUPPORT INCLUDES COBOL AND FORTRAN COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE, INCLUDING THE BADMINTON SERIAL PRINTER.

<p>APPLICATION (*)</p> <ul style="list-style-type: none"> * BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL * LABORATORY/SCIENTIFIC * ENGINEERING/COMPUTATION * EDUCATIONAL SYSTEM * BANKING SYSTEM * DATA ENTRY SYSTEM <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 8 BITS MEMORY: 8 TO 32K MOS MSI CYCLE TIME: 0.96 USEC ADD TIME: CACHE MEMORY: N/A # OF INSTRUCTIONS: 30 INSTRUCTION TYPES (1): BDI/ ACCUMULATORS: 16 INDEX REGISTERS: 16 I/O COMMUNICATIONS (2): ABD/ I/O TRANSFER RATE: 1MB PROCESSOR FEATURES (3): BVREK/ INTERFACE SLOTS:</p> <p>SYSTEMS SOFTWARE (*)</p> <p>ASSEMBLER MACRO ASSEM * DISK MONITOR * REAL TIME MMTR T/S MONITOR * BATCH MONITOR DATA BASE SYS OTHER:</p> <p>PRICES</p> <p>COMPUTER: \$SEE MFR MEMORY: SYSTEM: \$SEE MFR</p>	<p>FEATURES (*)</p> <ul style="list-style-type: none"> * UPWARD COMPATIBLE * FIELD SERVICE * APPLICATION SOFTWARE * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE * FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR <p>PERIPHERALS (Model #, Specs, N/A)</p> <p>REMOVABLE DISK: 2.45-9.8MB FIXED HEAD DISK: N/A FLEXIBLE DISK: N/A MAGNETIC TAPE: 10KB/SEC, 800 BPI TAPE CASSETTE: 200KB LINE PRINTER: 100 LPH SERIAL PRINTER: 20 CPS CARD RD, PM: 100 CPM; N/A PAPER TAPE RD, PM: 20-300 CPS; 20 CPS DISPLAY TERMINAL: 1920 CHAR. MULTIPLEXOR: SYN, ASYN TERMINALS/SYSTEM: OTHER: DRUM 256KB</p> <p>SOFTWARE LANGUAGES (*)</p> <p>APL ALGOL SINGLE BASIC MULTI BASIC * COBOL * FORTRAN PL1 RPG OTHER: BEST</p> <p>MARKETING</p> <p>MAIN MARKET: END USER, OEM UNITS SOLD: MAINTENANCE: ON CALL</p>
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(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bistynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE NIPPON NEC SYSTEM 100H IS A LARGE-SCALE VERSION OF THE 133G, DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. THE NEC SYSTEM 100H FEATURES MULTIPLE WORK STATION CAPABILITY. SOFTWARE SUPPORT INCLUDES COBOL AND FORTRAN COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE, INCLUDING TNON SERIAL PRINTER.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 48K MOS, MSI
 CYCLE TIME: 0.96 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 30
 INSTRUCTION TYPES (1): BDI/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABD/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BVREK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNT
 T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 4.9-9.8MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 10KB/SEC, 800 BPI
 TAPE CASSETTE: 200KB
 LINE PRINTER: 100 LPM, 200 LPM
 SERIAL PRINTER: 40, 180 CPS
 CARD ED, PN: 100 CPM/N/A
 PAPER TAPE RD, PN: 20-300 CPS; 20 CPS
 DISPLAY TERMINAL: 1920 CHAR
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: DRUM 256KB

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER: BEST

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bistynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE NIPPON SYSTEM 100J IS AN 8-BIT BUSINESS COMPUTER WITH A MEMORY EXPANDABLE FROM 32 TO 64K. SOFTWARE LANGUAGES INCLUDE COBOL, FORTRAN, AND BEST. THE SYSTEM 100J IS AVAILABLE IN TWO BASIC FORMS. ONE WITH A 32KB CPU AND ONE CRT, AND THE OTHER WITH A 48KB CPU AND FOUR CRTS. BOTH INCLUDE A FLEXIBLE DISKETTE, DISK AND LINE PRINTER.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 32 TO 64K
 CYCLE TIME: .99 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 30
 INSTRUCTION TYPES (1):
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BVRE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR 7-10K
 * REAL TIME MNT 12-16K
 T/S MONITOR
 * BATCH MONITOR 7-10K
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$52E MFR, 32K
 MEMORY:
 SYSTEM: \$69600, 32K
 INCLUDES 32K CPU; DISK (4.9MB); FLEXIBLE DISKETTE (243KB); LINE PRINTER (200 LPH); DISPLAY TERMINAL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 4.9-9.8MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 10KB/SEC, 800 BPI
 TAPE CASSETTE: 200KB
 LINE PRINTER: 200,500 LPM
 SERIAL PRINTER: 40,180 CPS
 CARD RD,PN: 300 CPM
 PAPER TAPE RD,PN: 100-600;20,110 CPS
 DISPLAY TERMINAL: 640,1920 CHAR/SCREEN
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL 8.5K
 * FORTRAN 13.5K
 PL1
 RPG
 OTHER: BEST 8.5K

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Slack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE NEC SYSTEM 200 IS A MEMBER OF THE ACOS SERIES 77 OF GENERAL PURPOSE COMPUTERS DESIGNED FOR BUSINESS, SCIENTIFIC AND INDUSTRIAL APPLICATIONS. STANDARD FEATURES INCLUDE MULTIPORT MEMORY, PRIORITY INTERRUPTS AND MEMORY PARITY. SOFTWARE SUPPORT INCLUDES COBOL AND RPG COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 48 TO 224K
 CYCLE TIME: 1 USEC
 ADD TIME: 11.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 120
 INSTRUCTION TYPES (1): BDFIN/
 ACCUMULATORS: 16
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDHST/
 I/O TRANSFER RATE: 1.8MB
 PROCESSOR FEATURES (3): BCFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTR
 T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 5.8, 11.6, 29, 58, 100
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 30, 60, 120KB/SEC
 TAPE CASSETTE: 446KB
 LINE PRINTER: 200, 1000, 1400, 2400LP
 SERIAL PRINTER: 40 CPS
 CARD RD, PN: 300, 600, 1050; 400 CPM
 PAPER TAPE RD, PN: 600, 1000 CPS; 110 CFS
 DISPLAY TERMINAL: 640, 1920 CHAR
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: OMR

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER: GMP

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE NEC SYSTEM 300 IS A MEMBER OF THE ACOS SERIES 77 FAMILY OF COMPUTERS USED FOR A VARIETY OF APPLICATIONS. FEATURES INCLUDE VIRTUAL MEMORY, AN I/O TRANSFER RATE OF 4 MEGABYTES PER SECOND, STACK PROCESSING AND MANY PERIPHERALS. SOFTWARE SUPPORT INCLUDES DATA BASE SYSTEM CAPABILITY AND A VARIETY OF PROGRAMMING LANGUAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 96 TO 512K MOS,LSI
 CYCLE TIME: 1 USEC
 ADD TIME: 6.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 222
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 20
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDHST/
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): BCFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 29,58,100,200MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 30,60,120,200KB/SEC
 TAPE CASSETTE: 446KB
 LINE PRINTER: 1000,1400,2400 LPM
 SERIAL PRINTER: 40/180 CPS
 CARD RD,PN: 300/600/1050;400
 PAPER TAPE RD,PN: 600/1000CPS;110CPS
 DISPLAY TERMINAL: 640/1920 CHAR.
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: OMR,OCR,PLOTTER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER: GMP,HPL,NL/II

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE NEC SYSTEM 400 IS A MEMBER OF THE ACOS SERIES 77 FAMILY OF GENERAL PURPOSE COMPUTERS FOR REAL TIME APPLICATIONS. THE SYSTEM 400 FEATURES A MEMORY EXPANDABLE FROM 120 TO 640K. SOFTWARE SUPPORT INCLUDES COBOL AND RPG COMPILERS. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 128 TO 768K MOS, LSI
 CYCLE TIME: 1 USEC
 ADD TIME: 2.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 222
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 20
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMST/
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): BCFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 29,68,100,200MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 30,60,120,200KB/SEC
 TAPE CASSETTE: 446KB
 LINE PRINTER: 1000,1400,2400LPM
 SERIAL PRINTER: 40/180 CPS
 CARD RD, PW: 300/600/1050/400
 PAPER TAPE RD, PW: 600/1000CPS; 110CPS
 DISPLAY TERMINAL: 640/1920 CHAR.
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: OMR, OCR, PLOTTER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER: GHP, HPL, WL/II

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE NEC SYSTEM 500 IS A MEMBER OF THE ACOS SERIES 77 FAMILY OF GENERAL PURPOSE COMPUTERS FOR REAL TIME APPLICATIONS. THE SYSTEM 500 IS SIMILAR TO NIPPON'S NEAC SYSTEM 400 BUT FEATURES TWICE THE MAIN MEMORY, FASTER CYCLE AND ADD TIMES, A FASTER I/O TRANSFER RATE, AND A WIDER RANGE OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES COBOL COBOL AND RPG COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 256 TO 1792K MOS, LSI
 CYCLE TIME: .75 USEC
 ADD TIME: 1.4 USEC
 CACHE MEMORY: 8KB
 # OF INSTRUCTIONS: 222
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 20
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMST/
 I/O TRANSFER RATE: 10MB
 PROCESSOR FEATURES (3): BCFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTSR
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 29,58,100,200,317MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 30-1250KB/SEC
 TAPE CASSETTE: 446KB
 LINE PRINTER: 1000,1400,2400 LPM
 SERIAL PRINTER: 40/180 CPS
 CARD RD, PW: 600/1050CPS; 400 CPM
 PAPER TAPE RD, PW: 600/1000 CPS; 110 CPS
 DISPLAY TERMINAL: 640/1920 CHAR.
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: OMR, OCR, PLOTTER

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER: GMP, HPL, NL/II

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE NEC SYSTEM 600 IS A MEMBER OF THE ACOS SERIES 77 FAMILY OF COMPUTERS DESIGNED FOR A VARIETY OF REAL TIME APPLICATIONS. THE SYSTEM 600 FEATURES A MEMORY EXPANDABLE FROM 384 TO 2048K. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 96 TO 512K
 CYCLE TIME: 1.2 USEC
 ADD TIME: 1.9 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 271
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDNST/
 I/O TRANSFER RATE: 7.2MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME ENTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 100, 200, 317MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 120-780KB/S
 TAPE CASSETTE: N/A
 LINE PRINTER: 1000, 1400, 2400 LPM
 SERIAL PRINTER: 40, 180 CPS
 CARD RD, PN: 600, 1050 CPM; 400 CPM
 PAPER TAPE RD, PN: 1000 CPM; 150 CPS
 DISPLAY TERMINAL: 640/1920 CHAR
 MULTIPLEXOR: SYN, ASTN
 TERMINAL/SYSTEM:
 OTHER: OMR, OCR, PLOTTER

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE NEC SYSTEM 700 IS A MEMBER OF THE ACOS SERIES 77 FAMILY OF COMPUTERS DESIGNED FOR A VARIETY OF REAL TIME APPLICATIONS. THE SYSTEM 700 FEATURES A MEMORY EXPANDABLE FROM 512 TO 4096K AND A FASTER MEMORY CYCLE AND I/O TRANSFER RATE THAN ITS SMALLER RELATIVE, THE SYSTEM 600. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 1024K
 CYCLE TIME: .7 USEC
 ADD TIME: .5 USEC
 CACHE MEMORY: 8KB
 # OF INSTRUCTIONS: 272
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDMST/
 I/O TRANSFER RATE: 17.6MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM
 * DISK MONITOR
 * REAL TIME MNTB
 * T/S MONITOR
 * BATCH MONITOR
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 100,200,317MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 120-780KB
 TAPE CASSETTE: N/A
 LINE PRINTER: 1000,1400,2400 LPM
 SERIAL PRINTER: 40,180 CPS
 CARD RD,PN: 600,1050 CPM;400 CPM
 PAPER TAPE RD,PN: 1000 CPM;150 CPS
 DISPLAY TERMINAL: 640/1920 CHAR.
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: OMR,OCR,PLOTTER

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 * PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, NEC SYSTEM 800 IS A MEMBER OF THE ACOS SERIES 77 FAMILY OF COMPUTERS DESIGNED FOR A VARIETY OF REALTIME APPLICATIONS. THE SYSTEM 800 FEATURES A MEMORY EXPANDABLE FROM 1 TO 16MB. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 256 TO 2048K
 CYCLE TIME: 0.6 USEC
 ADD TIME:
 CACHE MEMORY: 8KB
 # OF INSTRUCTIONS: 301
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDNST/
 I/O TRANSFER RATE: 46MB
 PROCESSOR FEATURES (3): BCDFRMK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$68K/MO

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 100MB,200MB,317MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 120-1250KB
 TAPE CASSETTE: N/A
 LINE PRINTER: 500-2400 LPM
 SERIAL PRINTER: 30-180 CPS
 CARD RD,PN: 600,1050 CPM;400 CPM
 PAPER TAPE RD,PN: 600,1000 CPS;110 CPS
 DISPLAY TERMINAL: 640/1920 CHAR.
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER: OMR,OCR,DIGITAL PLTR

SOFTWARE LANGUAGES (*)

- APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- S = Selectable Line Speeds
- T = Autodial
- M = Multiport Memory

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE NEC SYSTEM 900 IS A MEMBER OF THE ACOS SERIES 77 FAMILY OF COMPUTERS DESIGNED FOR A VARIETY OF REAL TIME APPLICATIONS. THE SYSTEM 900 FEATURES A MEMORY EXPANDABLE FROM 1 TO 16MB AND HAS A FASTER I/O TRANSFER RATE THAN ITS SMALLER RELATIVE, THE NIPPON SYSTEM 800. SOFTWARE SUPPORT INCLUDES A DATA BASE SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 256 TO 4096K
 CYCLE TIME: 0.6 USEC
 ADD TIME:
 CACHE MEMORY: 16KB
 # OF INSTRUCTIONS: 301
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): ABDNMST/
 I/O TRANSFER RATE: 60MB
 PROCESSOR FEATURES (3): BCDPRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$65K/MO, #900-1
 OTHER BASIC COMPUTERS: \$65,000/MO. (900-1) AND \$88,000/MO. (900-2).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 100MB, 200MB, 317MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 243KB
 MAGNETIC TAPE: 120-1250KB
 TAPE CASSETTE: N/A
 LINE PRINTER: 500-2400 LPM
 SERIAL PRINTER: 30-180 CPS
 CARD RD, PN: 600, 1050 CPM; 400 CPM
 PAPER TAPE RD, PN: 600, 1000 CPS; 110 CPS
 DISPLAY TERMINAL: 640/1920 CHAR.
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER: OMR, OCR, DIGTL PLOTTR

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bitsynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE ENTREX 600/50 IS A COMPUTER DESIGNED FOR BUSINESS, COMMUNICATIONS, AND DATA ENTRY APPLICATIONS. IT FEATURES A FIXED 64K MEMORY AND DISK STORAGE OF UP TO 264MB.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 128K
 CYCLE TIME: 1.2 USEC
 ADD TIME: 1.2 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 62
 INSTRUCTION TYPES (1): BI/
 ACCUMULATORS: 4
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): BDS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BFR/E
 INTERFACE SLOTS: 9

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- MACRO ASSEMBLER
- * DISK MONITOR
- * REAL TIME MONITOR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$N/A, 32K
 MEMORY: \$N/A
 SYSTEM: \$SEE MFR, 32K
 INCLUDES 64K CPU; 4.8MB DISK; MAG TAPE UNIT; CRT.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 223, 225; 33MB, 66MB
 FIXED HEAD DISK: 263A, 4.8MB
 FLEXIBLE DISK: 327A, 315 KBYTES
 MAGNETIC TAPE: 38X, 31X, 25 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 533, 536, 300/600 LPM
 SERIAL PRINTER: 515, 510, 45/165 CPS
 CARD RD, PN: 710; 300 CPM
 PAPER TAPE RD, PN: N/A
 DISPLAY TERMINAL: 161, 162, 480/1920CHAR
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL (NO ADD. MEMORY)
- FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 150 (06/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE NORD 10/S IS A 16-BIT COMPUTER DESIGNED FOR INDUSTRIAL, SCIENTIFIC AND EDUCATIONAL APPLICATIONS AS WELL AS FOR USE AS A COMMUNICATIONS PROCESSOR. OPTIONAL FEATURES INCLUDE A CACHE MEMORY OF 1K 25-BIT WORDS FOR INCREASED PERFORMANCE, AND ERROR CHECKING AND SELF-CORRECTING MEMORY MODULES. AMONG STANDARD FEATURES IS A MULTIPOINT MEMORY. THE NORD 10/S FEATURES SOFTWARE SUCH AS COBOL, FORTRAN, RPG, AND NORD-PL. ALSO AVAILABLE IS A WIDE SELECTION OF PERIPHERALS. NORSK DATA DOES NOT MARKET ITS PRODUCTS IN THE UNITED STATES.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 256K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: 2KB, 0.1NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): N/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE: 4MB
 PROCESSOR FEATURES (3): CFVRM/EK
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTNR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK:
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 45-75IPS, 800-1600BPI
 TAPE CASSETTE:
 LINE PRINTER: 300-900 LPM
 SERIAL PRINTER: 180 CPS
 CARD RD,PN: 285,600 CPM
 PAPER TAPE RD,PN: YES
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: NORD-PL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE P1175 IS A GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND COMMERCIAL APPLICATIONS. FEATURES INCLUDE MULTIPROGRAMMING AND LARGE DATA BASE CAPABILITY, OVER 200 INSTRUCTIONS AND A VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES COBOL AND FORTRAN COMPILERS AND APPLICATIONS PACKAGES INCLUDING PRODUCTION, INVENTORY AND DISTRIBUTION CONTROL.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 96 TO 512K
 CYCLE TIME: .96 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): DFIS/
 ACCUMULATORS: 2
 INDEX REGISTERS: 14
 I/O COMMUNICATIONS (2): A/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): CM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK:
 MAGNETIC TAPE: YES
 TAPE CASSETTE:
 LINE PRINTER: YES
 SERIAL PRINTER:
 CARD RD,PN: YES
 PAPER TAPE RD,PN: YES
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: PLOTTER

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE P400 IS A HIGH-PERFORMANCE, GENERAL PURPOSE MINICOMPUTER. A FULL COMPLEMENT OF PERIPHERALS DEVICES ARE AVAILABLE ALONG WITH BASIC, COBOL, AND FORTRAN SOFTWARE PACKAGES. OTHER FEATURES INCLUDE A MEMORY EXPANDABLE FROM 64K TO 4M WORDS, AND THE PRIMOS IV VIRTUAL MEMORY OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 4000K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: .56(16BTS) USEC
 CACHE MEMORY: 2KB, 80NS
 # OF INSTRUCTIONS: 312
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): D/ABST
 I/O TRANSFER RATE: 2.5MB
 PROCESSOR FEATURES (3): BDVMEK/P
 INTERFACE SLOTS: 17,27

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM 8K
 - * DISK MONITOR 16K
 - * REAL TIME MONTR 4K
 - * T/S MONITOR 32K
 - * BATCH MONITOR 32K
 - * DATA BASE SYS 4K
- OTHER:

PRICES

COMPUTER: \$71200, 128K
 MEMORY: \$30000, 128K
 SYSTEM: \$140000, 128K
 INCLUDES 128K CPU; 100MB DISK; 100 MAGNETIC TAPE; 30 CPS PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 422X,4133,4241,42,43
 FIXED HEAD DISK: 4204,4207
 FLEXIBLE DISK: 43XX
 MAGNETIC TAPE: 402X,414X,4156
 TAPE CASSETTE:
 LINE PRINTER: 316X
 SERIAL PRINTER: 3127
 CARD RD,PN: 3141,3181
 PAPER TAPE RD,PN: 3121,3123
 DISPLAY TERMINAL: 3129
 MULTIPLEXOR: 50XX,53XX
 TERMINALS/SYSTEM:
 OTHER: DATA ACQUISITION/C+T

SOFTWARE LANGUAGES (*)

- APL
 ALGOL
- * SINGLE BASIC 16K
 - * MULTI BASIC 16K
 - * COBOL 16K
 - * FORTRAN 16K
- PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE PRIME 500 IS THE TOP-OF-THE-LINE CENTRAL PROCESSOR OF THE PRIME FAMILY OF COMPATIBLE HIGH-PERFORMANCE, GENERAL PURPOSE COMPUTERS. THE MODEL 500 FEATURES AN ERROR-CORRECTING MAIN MEMORY, MEMORY INTERLEAVING, AND A 2KB, 80 NSEC CACHE MEMORY. SOFTWARE SUPPORT INCLUDES PRIMOS, A VIRTUAL MEMORY OPERATING SYSTEM. THE P500 HAS EXECUTION SPEEDS THAT ARE NEARLY THREE TIMES FASTER THAN THE MODEL 400.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 256 TO 8MBK MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: 2KB, 80NS
 # OF INSTRUCTIONS: 80
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): D/ABST
 I/O TRANSFER RATE: 2.5MB
 PROCESSOR FEATURES (3): BDVMEK/CP
 INTERFACE SLOTS: 17,27

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM 8K
 * DISK MONITOR 16K
 * REAL TIME MONTR 4K
 * T/S MONITOR 32K
 * BATCH MONITOR 32K
 * DATA BASE SYS 4K
 OTHER:

PRICES

COMPUTER: \$130000, 256K
 MEMORY:
 SYSTEM: \$SEE MFR, 256K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 422X,4133,424X
 FIXED HEAD DISK: 4204,4207
 FLEXIBLE DISK: 43XX
 MAGNETIC TAPE: 402X,414X,4156
 TAPE CASSETTE:
 LINE PRINTER: 316X
 SERIAL PRINTER: 3127
 CARD RD,PN: 3141,3181
 PAPER TAPE RD,PN: 3121,3123
 DISPLAY TERMINAL: 3129
 MULTIPLEXOR: 50XI,53XI
 TERMINALS/SYSTEM:
 OTHER: DATA ACQUIS./CONTROL

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 * MULTI BASIC 16K
 * COBOL 16K
 * FORTRAN 16K
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiprot Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE PRIME T/3 IS A PACKAGED BUSINESS SYSTEM BASED ON THE PRIME P300 THAT PROVIDES A MULTI-USER CAPABILITY FOR TRANSACTION PROCESSING AND DATA BASE MANAGEMENT APPLICATIONS. THE T/3 SYSTEM OFFERS FOUR COMPATIBLE LEVELS OF DATA MANAGEMENT FACILITIES INCLUDING A CODASYL-COMPLIANT DATA BASE MANAGEMENT SYSTEM, A MULTIPLE INDEX DATA ACCESS SYSTEM, A FORMS MANAGEMENT SYSTEM, COBOL, FORTRAN IV AND RPG II. ALL FOUR LEVELS OPERATE UNDER PRIMOS, THE PRIME VIRTUAL MEMORY OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 256K MOS
 CYCLE TIME: .6/.44 USEC
 ADD TIME: 1.56, 16BTS USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 172
 INSTRUCTION TYPES (1): BEIS/PM
 ACCUMULATORS: 1
 INDEX REGISTERS: 1
 I/O COMMUNICATIONS (2): AD/BST
 I/O TRANSFER RATE: 2.5MB
 PROCESSOR FEATURES (3): BDRME/CF
 INTERFACE SLOTS: 10-27

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM 8K
- * DISK MONITOR 16K
- * REAL TIME MNT 4K
- * T/S MONITOR 32K
- * BATCH MONITOR 32K
- * DATA BASE SYS 4K
- OTHER: PRIMOS

PRICES

COMPUTER: \$52E MFR, 192K
 MEMORY:
 SYSTEM: \$100000, 192K
 INCLUDES 192K CPU; CONSOLE; DISK (40MB);

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 422X, 4133, 4241, 4242
 FIXED HEAD DISK: 4204, 4207
 FLEXIBLE DISK: 43XX
 MAGNETIC TAPE: 402X, 414X, 4156
 TAPE CASSETTE:
 LINE PRINTER: 316X
 SERIAL PRINTER: 3127
 CARD RD, PN: 3141, 3181
 PAPER TAPE RD, PN: 3121, 3123
 DISPLAY TERMINAL: 3129
 MULTIPLEXOR: 50XX, 53XX
 TERMINALS/SYSTEM:
 OTHER: DATA ACQUIS./CONTROL

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- * MULTI BASIC 16K
- * COBOL 16K
- * FORTRAN 16K
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:
 H. TAPE UNIT; LINE PRINTER (200 LPM).

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE PRIME T/4 IS A PACKAGED BUSINESS SYSTEM BASED ON THE PRIME P400 THAT PROVIDES A MULTI-USER CAPABILITY FOR TRANSACTION PROCESSING AND DATABASE MANAGEMENT APPLICATIONS. THE T/4 SYSTEM OFFERS FOUR COMPATIBLE LEVELS OF DATA MANAGEMENT FACILITIES INCLUDING A CODASYL-COMPLIANT DATA BASE MANAGEMENT SYSTEM, COBOL, FORTRAN IV AND RPG II. ALL FOUR LEVELS OPERATE UNDER PRIMOS, THE PRIME VIRTUAL MEMORY OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 4M MOS
 CYCLE TIME: .6 USEC
 ADD TIME: .56 USEC
 CACHE MEMORY: 2KB, 80NS
 # OF INSTRUCTIONS: 312
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): D/ABST
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BDVRNEK/CF
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM 8K
- * DISK MONITOR 16K
- * REAL TIME MNT 4K
- * T/S MONITOR 32K
- * BATCH MONITOR 32K
- * DATA BASE SYS 4K
- OTHER: PRIMOS

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$250000

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 422X,4133,424X
 FIXED HEAD DISK: 4204,4207
 FLEXIBLE DISK: 43X
 MAGNETIC TAPE: 402X,414X,4156
 TAPE CASSETTE:
 LINE PRINTER: 316X
 SERIAL PRINTER: 3127
 CARD RD,PN: 3141,3181
 PAPER TAPE RD,PN: 3121,3123
 DISPLAY TERMINAL: 3129
 MULTIPLEXOR: 50X,53X
 TERMINALS/SYSTEM:
 OTHER: DATA ACQUIS./CONTROL

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- * MULTI BASIC 16K
- COBOL 16K
- * FORTRAN 16K
- PL1
- BPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE PRIME T/5 IS A PACKAGED BUSINESS SYSTEM BASED ON THE PRIME P300 THAT PROVIDES A MULTI-USER CAPABILITY FOR TRANSACTION PROCESSING AND DATABASE MANAGEMENT APPLICATIONS. THE T/5 SYSTEM OFFERS FOUR COMPATIBLE LEVELS OF DATA MANAGEMENT FACILITIES INCLUDING A CODASYL-COMPLIANT DATA BASE MANAGEMENT SYSTEM, A MULTIPLE INDEX DATA ACCESS SYSTEM, A FORMS MANAGEMENT SYSTEM, COBOL, FORTRAN IV AND RPG II. ALL FOUR LEVELS OPERATE UNDER PRIMOS, THE PRIME VIRTUAL MEMORY OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 256 TO 6000K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: 2KB, 80NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): D/ABST
 I/O TRANSFER RATE: 2.5MB
 PROCESSOR FEATURES (3): EDVRMEK/CF
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM 8K
 * DISK MONITOR 16K
 * REAL TIME MONTR 4K
 * T/S MONITOR 32K
 * BATCH MONITOR 32K
 * DATA BASE SYS 4K
 OTHER:

PRICES

COMPUTER: \$SEE MFR, 1000K
 MEMORY:
 SYSTEM: \$500000, 1000K
 INCLUDES 1MB CPU; CONSOLE; FOUR DISK STORAGE MODULES (300MB EACH); 3 MAG TAPE UNITS; LINE PRINTER (1200 LPM); CARD READER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 422X, 4133, 424X
 FIXED HEAD DISK: 4204, 4207
 FLEXIBLE DISK: 43XX
 MAGNETIC TAPE: 402X, 414X, 4156
 TAPE CASSETTE:
 LINE PRINTER: 316X
 SERIAL PRINTER: 3127
 CARD RD, PN: 3141, 3181
 PAPER TAPE RD, PN: 3121, 3123
 DISPLAY TERMINAL: 3129
 MULTIPLEXOR: 50XX, 53XX
 TERMINALS/SYSTEM:
 OTHER: DATA ACQUIS./CONTROL

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 * MULTI BASIC 16K
 * COBOL 16K
 * FORTRAN 16K
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1973, THE CREATE/3 IS THE MIDDLE MODEL OF THREE ENTRY-LEVEL, PACKAGED SYSTEMS IN PRIME'S TEMPUS CREATE SERIES OF COMPUTERS FOR SCIENTIFIC, ENGINEERING, EDUCATIONAL, AND BUSINESS ENVIRONMENTS. THE CREATE/3 PACKAGE INCLUDES A MODEL 300 CPU WITH 128KB MOS MAIN MEMORY, FLOATING POINT ARITHMETIC, AN OPERATOR TERMINAL, DISK DRIVE, MAGNETIC TAPE DRIVE, LINE PRINTER AND COMMUNICATIONS CONTROLLER FOR SIXTEEN ASYNCHRONOUS LINES. SYSTEM SOFTWARE INCLUDES THE PRIMOS III OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 128K #OS
 CYCLE TIME: .6 OR .44 USEC
 ADD TIME: 1.56 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 172
 INSTRUCTION TYPES (1): F/
 ACCUMULATORS: 1
 INDEX REGISTERS: 1
 I/O COMMUNICATIONS (2): ADS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): VRE/K
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: PRIMOS III

PRICES

COMPUTER: \$SEE MFR, 128K
 MEMORY:
 SYSTEM: \$67300, 128K
 INCLUDES 128K CPU; 30 CPS OPERATOR TERMINAL; 12MB DISK DRIVE; MAG TAPE DRIVE;
 LINE PRINTER; COMMUNICATION CONTROLLER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: 9-TRACK 800 BPI
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER: 165 CPS
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: YES
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: COMM. CONTROLLER

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: CUSTOMER

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- .. = Masked Interrupt

THE CREATE/4 IS THE TOP MODEL OF THREE ENTRY-LEVEL PACKAGED SYSTEMS IN THE PRIME TEMPUS CREATE SERIES OF COMPUTERS FOR SCIENTIFIC, ENGINEERING, EDUCATIONAL, AND BUSINESS ENVIRONMENTS. THE CREATE/4 PACKAGE INCLUDES A MODEL 400 CPU WITH 256KB MOS MAIN MEMORY, 2KB CACHE MEMORY, FLOATING POINT, OPERATOR TERMINAL, DISK DRIVE, TAPE DRIVE, LINE PRINTER, AND COMMUNICATION CONTROLLER FOR 16 ASYNCHRONOUS LINES. SYSTEM SOFTWARE INCLUDES THE PRIMOS IV VIRTUAL MEMORY OPERATING SYSTEM, AS WELL AS THE LANGUAGE PROCESSORS AND UTILITY PROGRAMS OFFERED WITH THE OTHER CREATE SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 128 TO 2MK MOS
 CYCLE TIME: .6 USEC
 ADD TIME: .56 USEC
 CACHE MEMORY: 2KB, 80NS
 # OF INSTRUCTIONS: 312
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 1
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 2.5MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS: 17,27

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MONTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: PRIMOS IV

PRICES

COMPUTER: \$SEE MFR, 128K
 MEMORY: \$12000, 32K
 SYSTEM: \$130000, 128K
 INCLUDES 128K CPU; 30 CPS OPERATOR TERMINAL; 80MB DISK DRIVE; TAPE DRIVE; 300 LPM PRINTER; COMMUNICATION CONTROLLER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE:
 LINE PRINTER: YES
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: YES
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 75 (10/76)

MAINTENANCE: CUSTOMER

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE RT8000 IS A 24-BIT MINICOMPUTER DESIGNED FOR MULTIPROCESSOR OPERATION. THE RT8000 FEATURES BYTE MANIPULATION AND FLOATING POINT INSTRUCTIONS AND IS FACTORY MICROPROGRAMMABLE. A MINIMUM CONFIGURATION INCLUDES THE REGNECENTRALEN RF3600 FRONT END. SOFTWARE SUPPORT AND A VARIETY OF PERIPHERALS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 24 BITS
 MEMORY: 32 TO 4096K CORE
 CYCLE TIME: .8 USEC
 ADD TIME: 1.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BEFIN/
 ACCUMULATORS: 4
 INDEX REGISTERS: 3
 I/O COMMUNICATIONS (2): D/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BCFRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 32K
 MEMORY:
 SYSTEM: \$68500, 32K

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: YES
 FIXED HEAD DISK: YES
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE: YES
 LINE PRINTER: UP TO 1800 LPM
 SERIAL PRINTER: N/A
 CARD RD,PN: 600 CPH;YES
 PAPER TAPE RD,PN: N/A;N/A
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- SINGLE BASIC
- MULTI BASIC
- COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: N/A
 UNITS SOLD:
 MAINTENANCE: N/A

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE ROLM 1666 IS A 16-BIT COMPUTER DESIGNED TO WITHSTAND SEVERE ENVIRONMENTS. THE 1666, AN ENHANCED VERSION OF THE 1664, FEATURES 3 MICRO PROCESSORS, VIRTUAL MEMORY, DIRECT MEMORY ACCESS AND STACK PROCESSING. THE 1666 HAS THE MILITARY DESIGNATION AN/UJK-19 AND MEETS THE ENVIRONMENTAL STANDARDS MIL-E-5400 AND MIL-E-16400. SOFTWARE SUPPORT INCLUDES A MULTI-USER DISK OPERATING SYSTEM, FORTRAN, ALGOL AND BASIC. UP TO 1024K WORDS MAY BE ADDRESSED. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 1024K CORE
 CYCLE TIME: 1 USEC
 ADD TIME: 1.2 USEC
 CACHE MEMORY:
 # OF INSTRUCTIONS: 230
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 12
 INDEX REGISTERS: 2
 I/O COMMUNICATIONS (2): D/ABS
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): FVRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 16K
 - * MACRO ASSEM 64K
 - * DISK MONITOR RMX/RDOS 64K
 - * REAL TIME MONTR RTOS 16K
 - * T/S MONITOR 64K
 - * BATCH MONITOR 64K
 - * DATA BASE SYS 64K
- OTHER: SOS STAND-ALONE O.S.

PRICES

COMPUTER: \$57000
 MEMORY: \$7000, 16K
 SYSTEM: \$120000, 64K
 INCLUDES 64K MEMORY; DISK DRIVE; CRT TERMINAL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3341,5MB
 FIXED HEAD DISK: 3345,4MB
 FLEXIBLE DISK: 3383,1200K
 MAGNETIC TAPE: 3361
 TAPE CASSETTE: N/A
 LINE PRINTER: 3337,600 LPM
 SERIAL PRINTER: 3334,120 CPS
 CARD RD,PN: 3338,120 CPM
 PAPER TAPE RD,PN: 3327(1000 CPS);YES
 DISPLAY TERMINAL: 3301,1800 CHAR.
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL 64K
- * SINGLE BASIC 64K
- MULTI BASIC
- COBOL
- * FORTRAN 64K
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 6 (00/00)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

THE SCAN-DATA 2250/2 IS A SYSTEM FOR DATA ENTRY APPLICATIONS. THE 2250/2 FEATURES UP TO 256K OF DIRECTLY ACCESSIBLE BYTES OF MEMORY, PROGRAM OVERLAY CAPABILITY, REMOTE KEY STATIONS, AND MULTIPLE STATION SUPERVISORS. THE 2250/2 IS A SHARED PROCESSOR SYSTEM SUPPORTING UP TO 32 SCAN-PLEX II KEY STATIONS. SOFTWARE SUPPORT INCLUDES COBOL. KEY STATION PRINTERS ARE AVAILABLE.

APPLICATION (*)

BUSINESS/COMMERCIAL
COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
MEMORY: TO 256K
CYCLE TIME:
ADD TIME:
CACHE MEMORY:
OF INSTRUCTIONS:
INSTRUCTION TYPES (1): /
ACCUMULATORS:
INDEX REGISTERS:
I/O COMMUNICATIONS (2): /
I/O TRANSFER RATE:
PROCESSOR FEATURES (3): /
INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
MACRO ASSEM
DISK MONITOR
REAL TIME MNTR
T/S MONITOR
* BATCH MONITOR
DATA BASE SYS
OTHER:

PRICES

COMPUTER: \$SEE MFR
MEMORY: , 32K
SYSTEM: \$SEE MFR

FEATURES (*)

UPWARD COMPATIBLE
FIELD SERVICE
APPLICATION SOFTWARE
CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
FIXED HEAD DISK:
FLEXIBLE DISK:
MAGNETIC TAPE:
TAPE CASSETTE:
LINE PRINTER:
SERIAL PRINTER: 110 CPS
CARD RD, PN:
PAPER TAPE RD, PN:
DISPLAY TERMINAL:
MULTIPLEXOR:
TERMINALS/SYSTEM: 32
OTHER:

SOFTWARE LANGUAGES (*)

APL
ALGOL
SINGLE BASIC
MULTI BASIC
* COBOL
FORTRAN
PL1
RPG
OTHER:

MARKETING

MAIN MARKET:
UNITS SOLD:
MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1968, THE IRIS 50 IS A GENERAL PURPOSE COMPUTER FOR STORAGE, CONTROL, AND COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE MODULAR DESIGN, STORAGE EXPANDABLE FROM 16K TO 256K WORDS, MULTIPROGRAMMING, AND A WIDE VARIETY OF AVAILABLE PERIPHERALS. SOFTWARE SUPPORT INCLUDES COBOL AND FORTRAN COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 264K
 CYCLE TIME: .95 USEC
 ADD TIME: 4.6(32BTS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 102
 INSTRUCTION TYPES (1): BEFIN/
 ACCUMULATORS: 16
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1.5MB
 PROCESSOR FEATURES (3): BCMR/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNTR SIRIS II
 T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 702X2
 FIXED HEAD DISK: 7020X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 723XX,70322
 TAPE CASSETTE: N/A
 LINE PRINTER: 70445,72444
 SERIAL PRINTER: N/A
 CARD RD,PN: 70140,7016X
 PAPER TAPE RD,PN: YES
 DISPLAY TERMINAL:
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER: LPG

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1971, THE IRIS 80 IS A LARGE-SCALE, 32-BIT WORD COMPUTER DESIGNED SPECIFICALLY AS A MULTIPROCESSOR. FEATURES INCLUDE A CAPACITY WHICH CAN EXCEED 4M BYTES, A BUS TRANSFER RATE OF 12M BYTES, PAGING, MULTIPROGRAMMING, STACK HANDLING, AND A VARIETY OF PERIPHERALS. EXTENSIVE SOFTWARE IS AVAILABLE FOR LOCAL BATCH, REMOTE JOB ENTRY, TIME SHARING, BUSINESS ORIENTED FAST-RESPONSE TRANSACTIONS, AND REAL TIME OPERATIONS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 4000K
 CYCLE TIME: .65 USEC
 ADD TIME: .85 (32BTS) USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 112
 INSTRUCTION TYPES (1): BEFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 3.5MB
 PROCESSOR FEATURES (3): CDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 * DISK MONITOR SIRIS 8
 * REAL TIME MNTR SIRIS 8
 * T/S MONITOR
 * BATCH MONITOR SIRIS 8
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SBE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 72282
 FIXED HEAD DISK: 70212
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 723XX,70322
 TAPE CASSETTE: N/A
 LINE PRINTER: 70140;70160
 SERIAL PRINTER: 300 CPS;50 CPS
 CARD RD,PN: 70140;70160
 PAPER TAPE RD,PN: 300 CPS;50 CPS
 DISPLAY TERMINAL: YES
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: PLOTTER

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 * SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

THE SFENA DSI CO/ORDINATEUR 500 IS A 16-BIT COMPUTER FOR BUSINESS APPLICATIONS. THE CO/ORDINATEUR 500 FEATURES 24 PROGRAMMABLE GENERAL PURPOSE REGISTERS, BYTE MANIPULATION, 6 ADDRESSING MODES, AND STACK PROCESSING. THE CO/ORDINATEUR 500 CAN FUNCTION AS A MULTI-USER INTERACTIVE SYSTEM OR AS A REMOTE BATCH SYSTEM. UP TO 32 TERMINALS AND 4 FLOPPY DRIVES CAN BE ACCOMMODATED. SOFTWARE SUPPORT INCLUDES THE METEOR OPERATING SYSTEM AND THE LEM LANGUAGE (WHICH IS SIMILAR TO COBOL). PERIPHERALS, INCLUDING A CARD READER AND PUNCH, ARE AVAILABLE.

APPLICATION (*)

* BUSINESS/COMMERCIAL
COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
MEMORY: TO 128K CORE
CYCLE TIME: .75 USEC
ADD TIME:
CACHE MEMORY: KB, 112NS
OF INSTRUCTIONS:
INSTRUCTION TYPES (1): BEIMS/
ACCUMULATORS:
INDEX REGISTERS:
I/O COMMUNICATIONS (2): ADS/
I/O TRANSFER RATE: 1.3MB
PROCESSOR FEATURES (3): CPVRM/
INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
MACRO ASSEM
DISK MONITOR
REAL TIME HMTR
T/S MONITOR
BATCH MONITOR
DATA BASE SYS
OTHER: METEOR O.S.

PRICES

COMPUTER: \$SEE MFR
MEMORY: , 32K
SYSTEM: \$SEE MFR

FEATURES (*)

UPWARD COMPATIBLE
FIELD SERVICE
APPLICATION SOFTWARE
* CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
* FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
FIXED HEAD DISK: YES
FLEXIBLE DISK: YES
MAGNETIC TAPE:
TAPE CASSETTE:
LINE PRINTER:
SERIAL PRINTER:
CARD RD,PN: YES
PAPER TAPE RD,PN:
DISPLAY TERMINAL: YES
MULTIPLEXOR:
TERMINALS/SYSTEM: 32
OTHER:

SOFTWARE LANGUAGES (*)

APL
ALGOL
SINGLE BASIC
MULTI BASIC
COBOL
FORTRAN
PL1
RPG
OTHER: LEM

MARKETING

MAIN MARKET:
UNITS SOLD:
MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1970, THE 4004/150 IS A LARGE-SCALE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE USER MICROPROGRAMMING, MEMORY EXPANSION TO 2048KB AND A VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES THREE DATA BASE SYSTEMS: SESAM (128KB), PRISMA (256KB) AND GOLEM (256KB), AND THE BS1000 OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 128 TO 2048K
 CYCLE TIME: .76 USEC
 ADD TIME: 1.36 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 153
 INSTRUCTION TYPES (1): BDFIMS/
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 5.2MB
 PROCESSOR FEATURES (3): BCFRMK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34K,70K
 - * MACRO ASSEM 24K,34K,70K
 - * DISK MONITOR 35K
 - * REAL TIME MONTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128K,256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 128K
 MEMORY:
 SYSTEM: \$SEE MFR, 128K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 45IX,580
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 920
 MAGNETIC TAPE: 430,442,442IX,45IX
 TAPE CASSETTE: N/A
 LINE PRINTER: 424X,243
 SERIAL PRINTER: N/A
 CARD RD,PN: 600-1430;100-300
 PAPER TAPE RD,PN: 1200-1500;150
 DISPLAY TERMINAL: 815IX,816
 MULTIPLEXOR: 216KB
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APLBS2000
 - * ALGOL BS2000
 - * SINGLE BASIC BS2000
 - * MULTI BASIC BS2000
 - * COBOL BS2000
 - * FORTRAN BS2000
 - * PL1 BS2000
 - * RPG BS2000
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1970, THE 4004/151 IS A GENERAL PURPOSE COMPUTER AND A LARGER VERSION OF THE 4004/150 SYSTEM. IT FEATURES THE BS2000 OPERATING SYSTEM WHICH HANDLES APL AND BASIC IN ADDITION TO ALGOL, FORTRAN, COBOL, PL/1 AND RPG LANGUAGES WHICH ARE HANDLED BY THE BS1000 OPERATING SYSTEM. FEATURES INCLUDE MICROPROGRAMMING AND A VARIETY OF PERIPHERALS. THREE DATA BASE SYSTEMS: SESAM (128KB) PRISMA (256KB) AND GOLEM (256KB) ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 2080K
 CYCLE TIME: .76 USEC
 ADD TIME: 1.02 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 154
 INSTRUCTION TYPES (1): BDFIMS/
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 5.0MB
 PROCESSOR FEATURES (3): BCDPRMK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34, 70K
 - * MACRO ASSEM 24K, 34K, 70K
 - * DISK MONITOR 35K
 - * REAL TIME HMT 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128K, 256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 256K
 MEMORY:
 SYSTEM: \$SEE MFR, 256K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 45X, 580
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 920/250KB
 MAGNETIC TAPE: 430, 442, 442X, 45X
 TAPE CASSETTE: N/A
 LINE PRINTER: 424X, 243/
 SERIAL PRINTER: N/A
 CARD RD, PN: 600-1430; 100-300
 PAPER TAPE RD, PN: 1200-1500; 150
 DISPLAY TERMINAL: 815X, 816X
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL (BS2000)
 - * ALGOL 66K (BS1000)
 - * SINGLE BASIC (BS2000)
 - * MULTI BASIC (BS2000)
 - * COBOL 24/48K (BS1000)
 - * FORTRAN 56/92K (BS1000)
 - * PL1 86K (BS1000)
 - * RPG 26/30K (BS1000)
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE 7.722 IS A SMALL-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS APPLICATIONS. STANDARD FEATURES INCLUDE MEMORY PARITY DETECT AND CORRECT, PRIORITY INTERRUPTS, AND STACK PROCESSING. EXTENSIVE SOFTWARE SUPPORT AND A WIDE VARIETY OF PERIPHERALS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 64 BITS
 MEMORY: 96 TO 384K
 CYCLE TIME: .61 USEC
 ADD TIME: 6.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 1.4MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34, 170K
 - * MACRO ASSEM 24, 34, 70K
 - * DISK MONITOR 35K
 - * REAL TIME MNTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128, 256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 96K
 MEMORY:
 SYSTEM: \$SEE MFR, 96K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3440,345X,346X
 FIXED HEAD DISK:
 FLEXIBLE DISK: 920
 MAGNETIC TAPE: 353X,3540,355X
 TAPE CASSETTE: N/A
 LINE PRINTER: 334X,3352
 SERIAL PRINTER: 8120
 CARD RD,PN: 660-1000,100-290
 PAPER TAPE RD,PN: 1200-1500,150
 DISPLAY TERMINAL: 815X,816X
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL (BS2000)
 - * ALGOL 66K (BS2000)
 - * SINGLE BASIC (BS2000)
 - * MULTI BASIC (BS2000)
 - * COBOL 24/48K (BS1000)
 - * FORTRAN 56/92K (BS1000)
 - * PL1 86K (BS1000)
 - * RPG 26/30K (BS1000)
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1974, THE 7.730 IS THE LOW END OF THE 7.000 SERIES OF GENERAL PURPOSE COMPUTERS DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE .06K BYTES OF CACHE MEMORY, USER MICROPROGRAMMING AND STACK PROCESSING HARDWARE. SOFTWARE SUPPORT INCLUDES THREE DATA BASE SYSTEMS: SESAM (128KB), PRISMA (256KB) AND GOLEM (256KB), AND THE BS1000 OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE, COMPATIBLE WITH ALL MEMBERS OF THE 7.000 SERIES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 24 TO 64K
 CYCLE TIME: .68 USEC
 ADD TIME: 2.7 USEC
 CACHE MEMORY: .06KB
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): ADST/
 I/O TRANSFER RATE: 3MB
 PROCESSOR FEATURES (3): BCDFRMK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34K, 70K
 - * MACRO ASSEM 24K, 34K, 54K
 - * DISK MONITOR 35K
 - * REAL TIME MNTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128K, 256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 96K
 MEMORY:
 SYSTEM: \$SEE MFR, 96K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 4580, 4578
 FIXED HEAD DISK: 567-8, 567-16
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 4421-30/60, 4453
 TAPE CASSETTE: N/A
 LINE PRINTER: 424X
 SERIAL PRINTER: N/A
 CARD RD, PN: 4239-10/20, 4238
 PAPER TAPE RD, PN: N/A, N/A
 DISPLAY TERMINAL: 815X
 MULTIPLEXOR: 320KB
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APLBS2000
 - * ALGOL BS2000
 - SINGLE BASIC BS2000
 - MULTI BASIC BS2000
 - * COBOL BS2000
 - * FORTRAN BS2000
 - * PL1 BS2000
 - * RPG BS2000
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE 7.738 IS A SMALL-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS APPLICATIONS. STANDARD FEATURES INCLUDE MEMORY PARITY DETECT AND CORRECT, PRIORITY INTERRUPTS, AND STACK PROCESSING. EXTENSIVE SOFTWARE SUPPORT AND A WIDE VARIETY OF PERIPHERALS ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 128 BITS
 MEMORY: 512 TO 1024K
 CYCLE TIME: .61 USEC
 ADD TIME: 2.77 USEC
 CACHE MEMORY: 2KB
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 4.5MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34, 70K
 - * MACRO ASSEM 24, 34, 70K
 - * DISK MONITOR 35K
 - * REAL TIME MTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128/256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 3340, 345X, 346X
 FIXED HEAD DISK: 3470
 FLEXIBLE DISK: 920
 MAGNETIC TAPE: 353X, 3540, 355X
 TAPE CASSETTE: N/A
 LINE PRINTER: 334X, 3352
 SERIAL PRINTER: 8120
 CARD RD, PN: 660-1000, 100-290
 PAPER TAPE RD, PN: 1200-1500, 150
 DISPLAY TERMINAL: 815X, 816X
 MULTIPLEXOR: N/A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL (BS2000)
 - * ALGOL 66K (BS1000)
 - * SINGLE BASIC (BS2000)
 - * MULTI BASIC (BS2000)
 - * COBOL 24/48K (BS1000)
 - * FORTRAN 56/92K (BS1000)
 - * PL1 86K (BS1000)
 - * RPG 26/30K (BS1000)
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Biscynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE 7.740 IS A SMALL-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR BUSINESS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE VIRTUAL MEMORY, MEMORY PARIITY, PRIORITY INTERRUPTS AND FLOATING POINT HARDWARE. SOFTWARE SUPPORT IS THE SAME AS FOR THE 7.730. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 128 BITS
 MEMORY: 128 TO 1024K
 CYCLE TIME: 0.615 USEC
 ADD TIME: 2.15 USEC
 CACHE MEMORY: 2KB
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): ADST/
 I/O TRANSFER RATE: 4.5MB
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34K,54K
 - * MACRO ASSEM 24K,34K,70K
 - * DISK MONITOR 35K
 - * REAL TIME MNTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128K,256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3340,345X,346X
 FIXED HEAD DISK: 3470
 FLEXIBLE DISK: 920
 MAGNETIC TAPE: 353X,3540,355X
 TAPE CASSETTE: N/A
 LINE PRINTER: 334X,3352
 SERIAL PRINTER: 8120
 CARD RD,PN: 660-1000,100-290
 PAPER TAPE RD,PN: 1200-1500,150
 DISPLAY TERMINAL: 815X,816X
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL (BS2000)
 - * ALGOL (BS1000) 66K
 - * SINGLE BASIC (BS2000)
 - * MULTI BASIC (BS2000)
 - * COBOL (BS1000) 24/48K
 - * FORTRAN (BS1000) 56/92K
 - * PL1 (BS1000) 86K
 - * RPG (BS1000) 26/30K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE SIEMENS 7.748 IS A 128 BIT COMPUTER FOR BUSINESS APPLICATIONS FOR THE END USER. THE 7.748 FEATURES A REAL TIME CLOCK, VIRTUAL MEMORY, EXTENDED PRECISION AND 43 GENERAL PURPOSE REGISTERS. SOFTWARE SUPPORT INCLUDES TIME-SHARING, BATCH AND DATA-BASE SYSTEMS, BASIC, FORTRAN AND PL/1. MANY PERIPHERALS ARE AVAILABLE INCLUDING DISK DRIVES (FIXED, REMOVABLE OR FLOPPY), MAGNETIC TAPE DRIVES, LINE AND SERIAL PRINTERS, AND DISPLAY TERMINALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 128 BITS
 MEMORY: 1024 TO 2048K
 CYCLE TIME: .615 USEC
 ADD TIME: .88 USEC
 CACHE MEMORY: 4KB
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34/70K
 - * MACRO ASSEM 24/34/70K
 - * DISK MONITOR 35K
 - * REAL TIME MONTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128/256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3440, X50, X55, X60, X65
 FIXED HEAD DISK: 3470
 FLEXIBLE DISK: TRANSDATA 920
 MAGNETIC TAPE: 3530-3559, 18-200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 3340, 3343, 3352
 SERIAL PRINTER: 8120, 180 CPS
 CARD RD, PN: 660-1000, 100-290
 PAPER TAPE RD, PN: 1200-1500, 150
 DISPLAY TERMINAL: 8150, X51, X52, X53, X61
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APLBS2000
 - * ALGOL BS1000 66K
 - * SINGLE BASIC BS2000
 - * MULTI BASIC BS2000
 - * COBOL BS1000 24/48K
 - * FORTRAN BS1000 56/92K
 - * PL1 BS1000 86K
 - * EPG BS1000 26/30K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE SIEMENS 7.755 IS A 128-BIT COMPUTER FOR END-USER BUSINESS APPLICATIONS. THE 7.755 FEATURES A REAL TIME CLOCK, VIRTUAL MEMORY, EXTENDED PRECISION, AND 43 GENERAL PURPOSE REGISTERS. SOFTWARE SUPPORT INCLUDES TIME-SHARING, BATCH AND DATA BASE ORIENTED SYSTEMS, BASIC, FORTRAN AND PL/1. MANY PERIPHERALS ARE AVAILABLE, INCLUDING DISK DRIVES (FIXED, REMOVABLE AND FLOPPY), MAGNETIC TAPE DRIVES, SERIAL AND LINE PRINTERS, AND CRT DISPLAY TERMINALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 128 BITS
 MEMORY: 512 TO 4096K
 CYCLE TIME: .615 USEC
 ADD TIME: .52 USEC
 CACHE MEMORY: 8KB
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34K, 70K
 - * MACRO ASSEM 24K, 34K, 70K
 - * DISK MONITOR 35K
 - * REAL TIME MNTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128K, 256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 3440, X50, X55, X60, X65
 FIXED HEAD DISK: 3470
 FLEXIBLE DISK: TRANSDATA 920
 MAGNETIC TAPE: 3530-3559, 18-200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 3340, 3343, 3352
 SERIAL PRINTER: 8120, 180 CPS
 CARD RD, PH: 660-1000, 100-290
 PAPER TAPE RD, PH: 1200-1500, 150
 DISPLAY TERMINAL: 8150, X51, X52, X53, X61
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APLBS2000
 - * ALGOL BS1000 66K
 - * SINGLE BASIC BS2000
 - * MULTI BASIC BS2000
 - * COBOL BS1000 24K, 48K
 - * FORTRAN BS1000 56K, 92K
 - * PL1 BS1000 86K
 - * RPG BS1000 26K, 30K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1976, THE SIEMENS 7.760 IS A 256-BIT COMPUTER FOR END-USER BUSINESS APPLICATIONS. THE 7.760 FEATURES A REAL TIME CLOCK, VIRTUAL MEMORY, EXTENDED PRECISION AND 43 GENERAL PURPOSE REGISTERS. SOFTWARE SUPPORT INCLUDES TIME-SHARING, BATCH AND DATA-BASE ORIENTED SYSTEMS, BASIC, FORTRAN AND PL/1. MANY PERIPHERALS ARE AVAILABLE INCLUDING DISK DRIVES (FIXED, REMOVABLE AND FLOPPY), MAGNETIC TAPE DRIVES, LINE AND SERIAL PRINTERS, AND CRT DISPLAY TERMINALS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 256 BITS
 MEMORY: 1024 TO 8192K
 CYCLE TIME: .2 USEC
 ADD TIME: .44 USEC
 CACHE MEMORY: 32KB
 # OF INSTRUCTIONS: 169
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS: 43
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 34/70K
 - * MACRO ASSEM 24/34/70K
 - * DISK MONITOR 35K
 - * REAL TIME MNTR 30K
 - * T/S MONITOR 4K
 - * BATCH MONITOR 35K
 - * DATA BASE SYS 128/256K
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3440, X50, X55, X60, X65
 FIXED HEAD DISK: 3470
 FLEXIBLE DISK: TRANSDATA 920
 MAGNETIC TAPE: 3350-3559, 18-200 IPS
 TAPE CASSETTE:
 LINE PRINTER: 3340, 3343, 3352
 SERIAL PRINTER: 8120, 180 CPS
 CARD RD, PN: 660-1000, 100-290
 PAPER TAPE RD, PN: 1200-1500, 150
 DISPLAY TERMINAL: 8150, X51, X52, X53, X61
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APLBS2000
 - * ALGOL BS1000 66K
 - * SINGLE BASIC BS2000
 - * MULTI BASIC BS2000
 - * COBOL BS1000 24/48K
 - * FORTRAN BS1000 56/92K
 - * PL1 BS1000 86K
 - * RPG BS1000 26/30K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE SPECTRUM 8 MINICOMPUTER HAS AN 8085 MICROPROCESSOR AND IS DESIGNED FOR THE INEXPERIENCED USER. THE SPECTRUM 8 FEATURES A BLACK AND WHITE OR COLOR DISPLAY CONSOLE (COLOR SYSTEM \$2,695) AND A 5 IPS CASSETTE TAPE UNIT. SOFTWARE SUPPORT INCLUDES A CONVERSATIONAL OPERATING SYSTEM, EXTENDED BASIC, A TEXT EDITOR, AN ASSEMBLER, AND GRAPHICS AND APPLICATIONS PACKAGES. HIGH SPEED PRINTERS, FLOPPY DISKS AND ADDITIONAL TAPE DRIVES ARE AMONG THE PERIPHERALS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: BITS
 MEMORY: 16 TO 65K RAM
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MONTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$5EE MFR
 MEMORY:
 SYSTEM: \$2195, 16K

INCLUDES PHI-DECK TAPE DRIVE; VIDEO DISPLAY WITH 7X9 MATRIX AND 1920 CHARACTERS; ALPHANUMERIC KEYBOARD WITH CURSOR AND GRAPHICS CONTROL.

FEATURES (*)

- UPWARD COMPATIBLE
 FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK:
 FIXED HEAD DISK: YES
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE: PHI-DECK
 LINE PRINTER: YES
 SERIAL PRINTER:
 CARD RD, PM:
 PAPER TAPE RD, PM:
 DISPLAY TERMINAL: B+W, COLOR 1920 CH.
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 ALGCL
- * SINGLE BASIC EXTENDED BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1975, THE ULTIMACC 3010 IS A MODULAR TURNKEY MINICOMPUTER SYSTEM CUSTOMIZED FOR ACCOUNTING AND BUSINESS MANAGEMENT APPLICATIONS. THE MODEL 3010 FEATURES MEMORY PROTECTION AND PRIORITY INTERRUPTS, AND IS FASTER THAN THE SIMILAR MODEL 2000. SOFTWARE SUPPORT INCLUDES A DATA BASE MANAGEMENT SYSTEM. THE 3010 SUPPORTS UP TO 30 CRTS AND MULTIPLE PRINTERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 128K CORE
 CYCLE TIME: 0.8 USEC
 ADD TIME: 1.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 300
 INSTRUCTION TYPES (1): BE/IM
 ACCUMULATORS: 4
 INDEX REGISTERS: 4
 I/O COMMUNICATIONS (2): ABD/ST
 I/O TRANSFER RATE: 1.0MB
 PROCESSOR FEATURES (3): FRM/C
 INTERFACE SLOTS: 17+17

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 16K
- MACRO ASSEM
- * DISK MONITOR 16K
- * REAL TIME MNTR 16K
- * T/S MONITOR 16K
- * BATCH MONITOR 16K
- * DATA BASE SYS 16K
- OTHER:

PRICES

COMPUTER: \$586 MFR
 MEMORY:
 SYSTEM: \$60000, 64K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 10-40MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 512-1024KB
 MAGNETIC TAPE: 45 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 300/600 LPM
 SERIAL PRINTER: 165 CPS
 CARD RD,PN: 267 COL/PS
 PAPER TAPE RD,PN: OPT
 DISPLAY TERMINAL: 1920 CHAR
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM: 30
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 * MULTI BASIC 16K
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER: ENGLISH 210 - 8K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 30 (11/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

THE ULTIMACC 3080 IS A 16-BIT MINICOMPUTER SYSTEM DESIGNED FOR BUSINESS AND COMMERCIAL APPLICATIONS. OPTIONAL FEATURES INCLUDE A REAL TIME CLOCK, INDIRECT ADDRESSING, AND SELECTABLE LINE SPEEDS. THE ULTIMACC SYSTEM OFFERS ENGLISH 120 AS PART OF ITS OPERATING SYSTEM, IN ADDITION TO FORTRAN AND BASIC FOR SINGLE AND MULTI-USERS. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 32 TO 256K CORE
 CYCLE TIME: 0.8 USEC
 ADD TIME: 1.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 300
 INSTRUCTION TYPES (1): BE/INS
 ACCUMULATORS: 4
 INDEX REGISTERS: 4
 I/O COMMUNICATIONS (2): ABD/ST
 I/O TRANSFER RATE: 1.0MB
 PROCESSOR FEATURES (3): FM/C
 INTERFACE SLOTS: 17

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 16K
 MACRO ASSEM
 - * DISK MONITOR 16K
 - * REAL TIME MNTR 16K
 - * T/S MONITOR 16K
 - * BATCH MONITOR 16K
 - * DATA BASE SYS 16K
- OTHER:

PRICES

COMPUTER: \$55E MPR
 MEMORY:
 SYSTEM: \$85000

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 80-320MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 45 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 300-900 LPM
 SERIAL PRINTER: 165 CPS
 CARD RD,PN: 267 COL/SEC
 PAPER TAPE RD,PN: 600/300 CPS
 DISPLAY TERMINAL: 1920 CHAR.
 MULTIPLEXOR: ASYM., SYNC.
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 * MULTI BASIC 16K
 COBOL
 * FORTRAN 32K
 PL1
 RPG
 OTHER: ENGLISH 210-8K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 5 (07/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bysynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1975, THE ULTIMACC 3370 IS A MODULAR TURNKEY MINICOMPUTER SYSTEM CUSTOMIZED FOR ACCOUNTING AND BUSINESS MANAGEMENT APPLICATIONS. THE MODEL 3370 FEATURES MEMORY PROTECTION AND PRIORITY INTERRUPTS, AND OFFERS GREATER DISK STORAGE CAPACITY THAN THE SIMILAR MODEL 3000. SOFTWARE SUPPORT INCLUDES A DATA BASE MANAGEMENT SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 128K CORE
 CYCLE TIME: 0.8 USEC
 ADD TIME: 1.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 300
 INSTRUCTION TYPES (1): BR/IM
 ACCUMULATORS: 4
 INDEX REGISTERS: 4
 I/O COMMUNICATIONS (2): ABD/ST
 I/O TRANSFER RATE: 1.0MB
 PROCESSOR FEATURES (3): PRM/C
 INTERFACE SLOTS: 17+17

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 16K
 - * MACRO ASSEM 16K
 - * DISK MONITOR 16K
 - * REAL TIME MONTR 16K
 - * T/S MONITOR 16K
 - * BATCH MONITOR 16K
 - * DATA BASE SYS 16K
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$150000, 128K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 40MB, 160MB
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 512K-1.024MB
 MAGNETIC TAPE: 45 IPS
 TAPE CASSETTE: N/A
 LINE PRINTER: 300/600 LPH
 SERIAL PRINTER: 165 CPS
 CARD RD, PM: 267 COL/PS
 PAPER TAPE RD, PM: OPT
 DISPLAY TERMINAL: 1920 CHAR
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC 16K
 * MULTI BASIC 16K
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER: ENGLISH 210 - 8K

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 5 (11/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisyronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1978, THE SYCOR 445 IS A DISTRIBUTED DATA ENTRY AND PROCESSING SYSTEM. IT WILL SUPPORT UP TO 256K BYTES MAIN MEMORY, AND EIGHT 2000-CHARACTER CRT TERMINALS. THE COMPUTER IS CAPABLE OF NETWORKING, BY WAY OF SYCORLINK (WHICH LINKS MULTIPLE 445 PROCESSORS). DATA STATIONS FOR THE 445 ARE SUPPORTED BY COBOL AND BASIC LANGUAGES. THE SYCOR 445 ALSO USES TAL 2000, A LANGUAGE DEVELOPED BY SYCOR.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: BITS
 MEMORY: TO 256K
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): /
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTER
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$60300, 64K
 INCLUDES 64KB MAIN MEMORY; 5 MB DISK MEMORY; 5 MB CARTRIDGE TAPE DRIVE; 4 CRT TERMINALS; SPRINTER PRINTER; COMMUNICATIONS ADAPTER.

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 70
 FIXED HEAD DISK:
 FLEXIBLE DISK: YES
 MAGNETIC TAPE: YES
 TAPE CASSETTE: YES
 LINE PRINTER: YES,300/600 LPM
 SERIAL PRINTER: YES,60/120/180 CPS
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: YES,2000 C/S
 MULTIPLEXOR:
 TERMINALS/SYSTEM: 8
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 * MULTI BASIC
 * COBOL
 FORTRAN
 PL1
 RPG
 OTHER: TAL 2000

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisychnous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE SEL 32/75 IS A BUS-STRUCTURED MINICOMPUTER PRIMARILY FOR SCIENTIFIC, INDUSTRIAL, AND LABORATORY APPLICATIONS. MULTIPROCESSOR CONFIGURATIONS WITH A MIX OF SHARED MEMORIES AND/OR COMMUNICATIONS BETWEEN MACHINES VIA INTER-BUS LINKS ALLOW A WIDE VARIETY OF DISTRIBUTED NETWORKS. THE SEL 32/75 FEATURES WRITABLE CONTROL STORE AND A LARGER MEMORY THAN THE SEL 32/55.

APPLICATION (*)

BUSINESS/COMMERCIAL
COMMUNICATIONS PROCESSOR
* INDUSTRIAL CONTROL
* LABORATORY/SCIENTIFIC
* ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
MEMORY: 32 TO 4000K CORE
CYCLE TIME: .6 USEC
ADD TIME: 1.2 USEC
CACHE MEMORY: N/A
OF INSTRUCTIONS: 163
INSTRUCTION TYPES (1): E'I'M/B
ACCUMULATORS: 8
INDEX REGISTERS: 3
I/O COMMUNICATIONS (2): D/ABMST
I/O TRANSFER RATE: 26.7MB
PROCESSOR FEATURES (3): C'FVRME/
INTERFACE SLOTS: 30

SYSTEMS SOFTWARE (*)

* ASSEMBLER 9.5K
* MACRO ASSEM 9.5K, \$750
* DISK MONITOR 11.5K, PDX, \$500
* REAL TIME MNTN 11.5K, RTH, \$1500
* T/S MONITOR 4.5K, TSS UNDER RTH,
* BATCH MONITOR 5K, UNDEF: RTH, N/C
DATA BASE SYS
OTHER: PDX 8K

PRICES

COMPUTER: \$68200, 131K #2312
MEMORY: \$6300, 32K, #2350
SYSTEM: \$SEE MFR
INCLUDES 32K CPU W/PANEL; CARD READER/PUNCH W/CONTROLLER (200 CPM/75 CPM);
TTY W/CONTROLLER (10 CPS); 10 SEL BUS SLOTS. (65KB ADD ON MEMORY #2353, \$7,000).

FEATURES (*)

* UPWARD COMPATIBLE
* FIELD SERVICE
* APPLICATION SOFTWARE
* CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
* FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 934Y, 932X
FIXED HEAD DISK: 9337
FLEXIBLE DISK: N/A
MAGNETIC TAPE: 45-75 IPS
TAPE CASSETTE: N/A
LINE PRINTER: 922X
SERIAL PRINTER: N/A
CARD RD, PN: 921X
PAPER TAPE ED, PN: N/A
DISPLAY TERMINAL: 9204
MULTIPLEXOR: ASYN, SYN, A-D
TERMINALS/SYSTEM: UP TO 32
OTHER: MOVING HEAD DSK 932X

SOFTWARE LANGUAGES (*)

APL
ALGOL
* SINGLE BASIC 8K, \$1000
* MULTI BASIC 10K, UNDER TSS, \$1000
COBOL
* FORTRAN 11.5K, \$1500
PL1
RPG
OTHER:

MARKETING

MAIN MARKET: OEM, END USER
UNITS SOLD:
MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1974, THE AEG 80-60 IS DESIGNED FOR COMMUNICATIONS, PROCESS CONTROL, AND DATA ENTRY APPLICATIONS. STANDARD FEATURES INCLUDE BYTE MANIPULATION, DECIMAL AND FLOATING POINT ARITHMETIC, AND INDIRECT ADDRESSING. TELEFUNKEN'S 80-60 OFFERS FASTER CYCLE AND ADD TIMES THAN THE 80-40 AND ALSO A SUBSTANTIALLY HIGHER I/O TRANSFER RATE. SOFTWARE LANGUAGE SUPPORT INCLUDES FORTRAN AND PEARL. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 256K
 CYCLE TIME: .65 USEC
 ADD TIME: .56 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 219
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): FBS/
 I/O TRANSFER RATE: 2.5MB
 PROCESSOR FEATURES (3): ECDPRME/
 INTERFACE SLOTS: 16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 6, 16KB
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: ARSI, GEARED, GEALAB

PRICES

COMPUTER: \$87500, 16K
 MEMORY: \$27300, 64K
 SYSTEM: \$N/A

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: KSP 372X, WPS 3750.
 FIXED HEAD DISK: FPS 3770; FKS3800.X00
 FLEXIBLE DISK: MFS 3700.00
 MAGNETIC TAPE: MBS.36XX.X00
 TAPE CASSETTE: MBK 3600.000
 LINE PRINTER: ZDR 310X.000
 SERIAL PRINTER: SDR 30XX.00X
 CARD RD,PN: LKL 34X0.; LKS 3400.
 PAPER TAPE RD,PN: LSL 3310.010; S 3800.
 DISPLAY TERMINAL: SGT 3200.100
 MULTIPLEXOR: OTOUNOMOUS CHANNEL
 TERMINALS/SYSTEM:
 OTHER: MANY

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 * FORTRAN
 PL1
 RPG
 OTHER: PEARL

MARKETING

MAIN MARKET:
 UNITS SOLD: 2 (10/74)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1972, THE TR 440/200 IS THE LOW END OF THE TR 440 SERIES OF GENERAL PURPOSE COMPUTER SYSTEMS DESIGNED TO SIMULTANEOUSLY HANDLE CONVERSATIONAL TIME SHARING, REAL TIME INQUIRY/RESPONSE, AND CONVENTIONAL BACKGROUND BATCH PROCESSING. FEATURES INCLUDE: FIXED AND FLOATING-POINT BINARY ARITHMETIC, MULTI-PROGRAMMING, AND A WIDE VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE BS3 OPERATING SYSTEM AND MANY APPLICATIONS PACKAGES.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 236K
 CYCLE TIME: 1.5 USEC
 ADD TIME: .36-.83 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 247
 INSTRUCTION TYPES (1): BFM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BCDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER TAS
 - MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MONTR BS3
 - * T/S MONITOR BS3
 - * BATCH MONITOR BS3
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: WSP414, WSP430
 FIXED HEAD DISK: TSP500
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MDS252, MBG253
 TAPE CASSETTE: MKS237
 LINE PRINTER: SDR176-1/2, SDR154
 SERIAL PRINTER: FSR10X, FSR208
 CARD RD, PN: LKL1720; LKS145
 PAPER TAPE RD, PN: LSL195; LSS150
 DISPLAY TERMINAL: SIG100, SIG50
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: PLOTTER ZCH231/3

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: BCPL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1968 AS THE TR 440, THE TR 440/400 IS THE ORIGINAL MEMBER OF THE TR 440 SERIES OF GENERAL PURPOSE COMPUTER SYSTEMS DESIGNED TO SIMULTANEOUSLY HANDLE CONVERSATIONAL TIME SHARING, REAL TIME INQUIRY/RESPONSE, AND CONVENTIONAL BACKGROUND BATCH PROCESSING. FEATURES INCLUDE MULTIPROCESSOR CAPABILITY, MULTI-PROGRAMMING, AND A WIDE VARIETY OF PERIPHERALS. SOFTWARE SUPPORT INCLUDES THE BS3 OPERATING SYSTEM AND MANY APPLICATIONS PACKAGES.

APPLICATION (*)

BUSINESS/COMMERCIAL
 * COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 * LABORATORY/SCIENTIFIC
 * ENGINEERING/COMPUTATION
 * EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 2097K
 CYCLE TIME: .38 USEC
 ADD TIME: .36-.83 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 247
 INSTRUCTION TYPES (1): BFIN/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BCDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

* ASSEMBLER TAS
 MACRO ASSEM
 DISK MONITOR
 * REAL TIME MONTR BS3
 * T/S MONITOR BS3
 * BATCH MONITOR BS2
 * DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

UPWARD COMPATIBLE
 * FIELD SERVICE
 * APPLICATION SOFTWARE
 * CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: WSP414, WSP430
 FIXED HEAD DISK: TSP500
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MDS252, HBG253
 TAPE CASSETTE: MKS3237
 LINE PRINTER: SDR176-1/2, SDR154
 SERIAL PRINTER: FSR10X, FSR208
 CARD RD, PN: LKL720; LKS145
 PAPER TAPE RD, PN: LSL195; LSS150
 DISPLAY TERMINAL: SIG100, SIG50
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: PLOTTER ZXH231/3

SOFTWARE LANGUAGES (*)

APL
 * ALGOL
 * SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER: BCPL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiprot Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1974, THE TR 440/500 IS THE FASTEST PROCESSOR OF THE TR 440 SERIES OF GENERAL PURPOSE COMPUTER SYSTEMS DESIGNED TO SIMULTANEOUSLY HANDLE CONVERSATIONAL TIME SHARING, REAL TIME INQUIRY/RESPONSE, AND CONVENTIONAL BACKGROUND BATCH PROCESSING. FEATURES INCLUDE MULTIPROCESSOR CAPABILITY, MULTIPROGRAMMING, AND A WIDE VARIETY OF PERIPHERALS. THE BS3 OPERATING SYSTEM ALLOWS MULTIPROGRAMMING OF UP TO TEN USER PROGRAMS IN STORE AND CAN SERVE UP TO 96 CONVERSATIONAL TIME SHARING TERMINAL USERS SIMULTANEOUSLY ON A ROLL-IN, ROLL-OUT BASIS.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEMS
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 48 BITS
 MEMORY: 64 TO 2097K
 CYCLE TIME: .38 USEC
 ADD TIME: .36-.83 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 247
 INSTRUCTION TYPES (1): BFIN/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): BCDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER IAS
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MONTR BS3
- * T/S MONITOR BS3
- * BATCH MONITOR BS3
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: WSP414, WSP430
 FIXED HEAD DISK: TSP500
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: MDS252, MBG253
 TAPE CASSETTE: MKS3237
 LINE PRINTER: SDR176-1/2, SDR154
 SERIAL PRINTER: FSR10X, FSR208
 CARD RD, PN: LKL720; LKS145
 PAPER TAPE RD, PN: LSL195; LSS150
 DISPLAY TERMINAL: SIG100, SIG50
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: PLOTTER ZCH231/3

SOFTWARE LANGUAGES (*)

- APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: BCPL

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE DCP IS A PROGRAMMABLE COMMUNICATIONS UNIT DESIGNED TO PROVIDE THE PROCESSOR AS PART OF THE UNIVAC TELCON SYSTEM. WITHIN THE TELCON SYSTEM THE DCP MAY BE USED AS A FRONT END PROCESSOR, REMOTE CONCENTRATOR, OR A NODAL PROCESSOR.

<p>APPLICATION (*)</p> <p>BUSINESS/COMMERCIAL * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM</p> <p>COMPUTER (Std/Opt, N/A)</p> <p>WORD SIZE: 16 BITS MEMORY: 8 TO 64K CYCLE TIME: .75 USEC ADD TIME: 1.5 USEC CACHE MEMORY: N/A # OF INSTRUCTIONS: 200 INSTRUCTION TYPES (1): BM/ ACCUMULATORS: 32 INDEX REGISTERS: 32 I/O COMMUNICATIONS (2): ADMS/T I/O TRANSFER RATE: .038MB PROCESSOR FEATURES (3): CFRE/ INTERFACE SLOTS:</p> <p>SYSTEMS SOFTWARE (*)</p> <p>ASSEMBLER MACRO ASSEM DISK MONITOR REAL TIME MTR T/S MONITOR BATCH MONITOR DATA BASE SYS OTHER:</p> <p>PRICES</p> <p>COMPUTER: \$SEE MFR MEMORY: SYSTEM: \$55000</p>	<p>FEATURES (*)</p> <p>UPWARD COMPATIBLE * FIELD SERVICE APPLICATION SOFTWARE CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR</p> <p>PERIPHERALS (Model #, Specs, N/A)</p> <p>REMOVABLE DISK: FIXED HEAD DISK: FLEXIBLE DISK: MAGNETIC TAPE: TAPE CASSETTE: 0866 LINE PRINTER: SERIAL PRINTER: CARD RD,PN: PAPER TAPE RD,PN: DISPLAY TERMINAL: UNISCOPE 100 MULTIPLEXOR: YES TERMINALS/SYSTEM: OTHER: SELECTOR</p> <p>SOFTWARE LANGUAGES (*)</p> <p>APL ALGOL SINGLE BASIC MULTI BASIC COBOL FORTRAN PL1 RPG OTHER:</p> <p>MARKETING</p> <p>MAIN MARKET: END USER UNITS SOLD: MAINTENANCE: ON CALL</p>
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(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE UNIVAC MODEL 90/25 IS A SMALL-SCALE PROCESSOR DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC APPLICATIONS. THE 90/25 FEATURES MICROPROGRAMMED LOGIC AND BYTE-ADDRESSABLE, HALF-WORD-ORIENTED SEMICONDUCTOR MEMORY. INTEGRATED COMMUNICATIONS CAPABILITY IS PROVIDED BY A COMMUNICATIONS ADAPTER, WHICH SUPPORTS THREE COMMUNICATIONS LINES. THE 90/25 SYSTEM IS OPERATED UNDER CONTROL OF OS/3 SOFTWARE AND IS EASILY UPGRADABLE TO A MODEL 90/30.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 65 TO 131K M0S
 CYCLE TIME: .6 USEC
 ADD TIME: 7.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 84/148
 INSTRUCTION TYPES (1): BDM/F
 ACCUMULATORS: 32
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): ABDST/
 I/O TRANSFER RATE: .8MB
 PROCESSOR FEATURES (3): BCRE/M
 INTERFACE SLOTS: 10

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: IMS/90, HASP RJE, RSP, DHS/90

PRICES

COMPUTER: \$64096, 65K
 MEMORY: \$14256, 32K
 SYSTEM: \$110149, 64K
 INCLUDES 6KK CPU; #8415 DISK STORAGE SUBSYSTEM (33.MB); CARD READER (300 CPM);
 LINE PRINTER (300 LPM); CRT KEYBOARD CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8415, 8418
 FIXED HEAD DISK:
 FLEXIBLE DISK: 8413
 MAGNETIC TAPE: UNISERVO 10
 TAPE CASSETTE:
 LINE PRINTER: 0778
 SERIAL PRINTER: CONSOLE
 CARD RD, PM: 0719, 0605
 PAPER TAPE RD, PM: 0920
 DISPLAY TERMINAL: UNISCOPE 100, 200
 MULTIPLEXOR: OPT
 TERMINALS/SYSTEM: DCT 500-1000,
 OTHER: UTS-400 DISPLAY

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG RPG II
- OTHER: RPGII TELECOMMUN.

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiprot Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, MODEL 90/30 IS A MEDIUM-SCALE PROCESSOR DESIGNED FOR BATCH, COMMUNICATIONS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE A WRITABLE CONTROL STORE AND MULTIPROCESSING CAPABILITY WHICH PERMITS UP TO SEVEN JOBS TO BE PROCESSED CONCURRENTLY. A WIDE VARIETY OF PERIPHERALS MAY BE ATTACHED INCLUDING UP TO SIXTEEN DISK DRIVES AND TWENTY FOUR HALF-DUPLEX COMMUNICATIONS LINES. VARIOUS AIDS FOR CONVERSION FROM UNIVAC SERIES 9000 SYSTEMS OR FOR IBM SYSTEM/360/20 OR SYSTEM/3 ARE AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 32 TO 524K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 5.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 84/148
 INSTRUCTION TYPES (1): BDM/F
 ACCUMULATORS: 32
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): ABDST/
 I/O TRANSFER RATE: 2.4MB
 PROCESSOR FEATURES (3): BCRE/M
 INTERFACE SLOTS: 31

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR OS/3
T/S MONITOR
- * BATCH MONITOR OS/3
- * DATA BASE SYS
- OTHER: IMS/90, HASP EJE, RSP.

PRICES

COMPUTER: \$70632, 32K
 MEMORY: \$6048, 16K
 SYSTEM: \$137592, 32K
 INCLUDES 32K CPU; CARD READER; PRINTER ; DISK ADAPTER; 2 DISK DRIVES; CRT KEY-BOARD CONSOLE.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8416, 8418, 8430
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 8413
 MAGNETIC TAPE: 10, 12, 14, 16, 20
 TAPE CASSETTE: N/A
 LINE PRINTER: 0773, 0770+0776
 SERIAL PRINTER: CONSOLE
 CARD RD, PN: 0717; 0605, 0716
 PAPER TAPE RD, PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100, 200
 MULTIPLEXOR: 8 SUBCHANNELS
 TERMINALS/SYSTEM: DCT 500-2000,
 OTHER: SELECTOR, UTS-400 CRT

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
PL1
- * RPG
- OTHER: RPG TELECOMMUN.

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Biscynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE UNIVAC MODEL 90/30B IS A MEDIUM-SCALE PROCESSOR DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC APPLICATIONS. IT FEATURES 90/30 PERFORMANCE BUT CAN ACCOMMODATE LOWER SPEED PERIPHERALS. IT CARRIES THE SAME LIST PRICE AS THE REGULAR 90/30 PROCESSOR. IT SUPPORTS ALL THE CONVERSION AIDS AVAILABLE ON THE 90/30.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 65 TO 524K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 5.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 84/148
 INSTRUCTION TYPES (1): BDM/F
 ACCUMULATORS: 32
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): ABDT/
 I/O TRANSFER RATE: 2.4MB
 PROCESSOR FEATURES (3): BCRR/M
 INTERFACE SLOTS: 31

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: IMS 90,ICS/90,HASP RJE,RSP

PRICES

COMPUTER: \$82728, 65K
 MEMORY: \$10800, 32K
 SYSTEM: \$141525, 65K
 INCLUDES 65K CPU; CARD READER; PRINTER;

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8416,8418,8430,8415
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: 8413
 MAGNETIC TAPE: UNISERVO 10-20
 TAPE CASSETTE: N/A
 LINE PRINTER: 0773,0770,0776,0778
 SERIAL PRINTER: CONSOLE
 CARD RD,PN: 0717,0605
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100,200
 MULTIPLEXOR: 8 SUBCHANNELS
 TERMINALS/SYSTEM: DCT500-2000,2780
 OTHER: SELECTOR,UTS-400 CRT

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER: RPGII TELECOMMUN.

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 DISK ADAPTER; TWO DISK DRIVES.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE MODEL 90/60 IS A MEDIUM TO LARGE-SCALE COMPUTER DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC PROCESSING. FEATURES INCLUDE DATA BASE MANAGEMENT AND IBM SYSTEM/360 EMULATION. COMMUNICATIONS CAN BE CONTROLLED BY A 120-LINE MULTICHANNEL COMMUNICATIONS CONTROLLER (MCC) THAT IS SUPPORTED BY THE VIRTUAL MEMORY OPERATING SYSTEM/9 CUS/9.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 524 TO 2048K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 1.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 154
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ADST/
 I/O TRANSFER RATE: 1.1MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: VS/9

PRICES

COMPUTER: \$284000, 512K
 MEMORY: \$46800, 256K
 SYSTEM: \$700000, 126K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: #8433, #8430
 FIXED HEAD DISK: #8405
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16-34
 TAPE CASSETTE:
 LINE PRINTER: #0768 SERIES 0770
 SERIAL PRINTER: N/A
 CARD RD,PN: #0176, #0604
 PAPER TAPE RD,PN: #0920
 DISPLAY TERMINAL: UNISCOPE 100,200,400
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: SELECTOR

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- BPG
- OTHER: RPG II

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1973, THE MODEL 90/70 IS A DISK-ORIENTED COMPUTER DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC PROCESSING. FEATURES INCLUDE A 120-LINE COMMUNICATIONS CAPACITY, DATA BASE MANAGEMENT, IBM SYSTEM/360 EMULATION, AND A 2048K MAIN STORAGE CAPACITY. SOFTWARE IS THE VS/9 OPERATING SYSTEM WHICH PROVIDES FULL FACILITIES FOR THE BATCH, INTERACTIVE, AND COMMUNICATIONS USER.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 128 TO 2096K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 1.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 154
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ADT/
 I/O TRANSFER RATE: 1.1MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNT
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: VS/9

PRICES

COMPUTER: \$398000, 512K
 MEMORY: \$46800, 262K
 SYSTEM: \$900000, 128K

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
* FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8433
 FIXED HEAD DISK: 8405
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16-34
 TAPE CASSETTE:
 LINE PRINTER: 0768,0770,0776
 SERIAL PRINTER: N/A
 CARD RD,PN: 0170,0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: SELECTOR

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
PL1
RPG
- OTHER: RPG II

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE 90/80 IS A LARGE MEMBER OF THE SERIES 90 FAMILY OF GEN-PURPOSE COMPUTERS. THE 90/80 IS COMPATIBLE WITH ALL SERIES 90 AND THE LARGER SERIES 70 COMPUTER SYSTEMS. THE 90/80 HARDWARE CONSISTS OF AN INSTRUCTION PROCESSOR AND A PERIPHERAL PROCESSOR. FEATURES INCLUDE A HIGH-SPEED SEMICONDUCTOR MEMORY, ERROR CORRECTION CODE (ECC), AND EMITTER COUPLED LOGIC (ECL) CIRCUITRY FOR ADDED SYSTEM RELIABILITY. ADD-ON MEMORY IS AVAILABLE IN 524B BYTE INCREMENTS UP TO 4MB. SOFTWARE IS THE VS/9 OPERATING SYSTEM, WHICH PROVIDES FULL FACILITIES FOR BATCH, INTERACTIVE AND COMMUNICATIONS USERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 524 TO 4000K HOS
 CYCLE TIME: .098 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 187
 INSTRUCTION TYPES (1): BDEPIM/
 ACCUMULATORS: 36
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): BCDFRNEK/
 INTERFACE SLOTS: 8

SYSTEMS SOFTWARE (*)

- * ASSEMBLER VS/9
 - * MACRO ASSEM VS/9
 - * DISK MONITOR VS/9
 - * REAL TIME MNTNR VS/9
 - * T/S MONITOR VS/9
 - * BATCH MONITOR VS/9
 - * DATA BASE SYS DMS/90
- OTHER:

PRICES

COMPUTER: \$1080000, 524K
 MEMORY: \$218400, 524K
 SYSTEM: \$2000000, 524K

INCLUDES 524K CPU; DISK SUBSYSTEM; MAGNETIC TAPE SUBSYSTEM; SYSTEM CONSOLE; CARD READER; AND PRINTER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 8414,8425,8430,8433
 FIXED HEAD DISK: 8405-00,04,5040/8434
 FLEXIBLE DISK:
 MAGNETIC TAPE: UNISERVO 12,14,16-36
 TAPE CASSETTE:
 LINE PRINTER: 0768,0770,0776
 SERIAL PRINTER:
 CARD RD,PN: 0715;1000 CPM, 0604
 PAPER TAPE RD,PN: 300 CPS;100 CPS
 DISPLAY TERMINAL: UTS 1-2-4-700, DCT
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER: VISUAL DSPL UNISCOPE

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: RPG II; IMS/90

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE 90/80-2 IS AN 8-BIT COMPUTER SYSTEM DESIGNED FOR BUSINESS, ENGINEERING, LABORATORY, AND COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE STANDARD FLOATING POINT AND COMPATIBILITY WITH THE UNIVAC 90/60, 90/70, AND 90/80 MODELS. SOFTWARE SUPPORT INCLUDES COBOL, RPG, AND FORTRAN. THE 90/80-2 COSTS LESS THAN THE 90/80-3 AND HAS A SMALLER CPU MEMORY CAPACITY. THE 90/80-2 HAS A MUCH FASTER CYCLE TIME THAN THE 90/80 SYSTEM AND IS USER MICROPROGRAMMABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 1000 TO 1000K MOS
 CYCLE TIME: 0.13 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): A/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): EK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTNR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/7

PRICES

COMPUTER: \$720000
 MEMORY: \$87550
 SYSTEM: \$798250, 1000K
 INCLUDES 1000K CPU.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #. Specs. N/A)

REMOVABLE DISK: 84XX
 FIXED HEAD DISK: 8405,5040/8434
 FLEXIBLE DISK: 8406
 MAGNETIC TAPE: UNIVERSO 1X
 TAPE CASSETTE: 610
 LINE PRINTER: 0768
 SERIAL PRINTER:
 CARD RD,PN: 0716;250 CPM
 PAPER TAPE RD,PN: 300 CPS;100 CPS
 DISPLAY TERMINAL: UTS 400,700,DCT LINE
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE 90/80-3 IS AN 8-BIT COMPUTER DESIGNED FOR BUSINESS, ENGINEERING, LABORATORY, AND COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE STANDARD FLOATING POINT AND COMPATIBILITY WITH THE UNIVAC 90/60, 90/70, AND 90/80 MODELS. SOFTWARE SUPPORT INCLUDES COBOL, FORTRAN, AND RPG. THE 90/80-3 MEMORY CAPACITY IS 4 TIMES GREATER THAN THE 90/80-2. IT HAS A MUCH FASTER CYCLE TIME THAN THE BASIC 90/80 SYSTEM AND IS USER MICROPROGRAMMABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 4000 TO 4000K MOS
 CYCLE TIME: 0.1 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): A/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): EK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/7

PRICES

COMPUTER: \$900000
 MEMORY:
 SYSTEM: \$1019700

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 84XX
 FIXED HEAD DISK: 8405,5040/8434
 FLEXIBLE DISK: 8406
 MAGNETIC TAPE: UNIVERSO 1X
 TAPE CASSETTE: 610
 LINE PRINTER: 0768
 SERIAL PRINTER:
 CARD RD,PN: 0716;250 CPM
 PAPER TAPE RD,PN: 300 CPS;100 CPS
 DISPLAY TERMINAL: UTS 400,700,DCT LINE
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1976, THE 1100/10 IS THE LOW END OF THE UNIVAC 1100 SERIES OF COMPATIBLE, COMMUNICATIONS-ORIENTED COMPUTER SYSTEMS. THE 1100 SERIES INCORPORATES SEMICONDUCTOR MEMORIES AND MASS STORAGE PERIPHERALS FOR FAST EXECUTION AND LARGE STORAGE CAPACITY. THE 1100/10 HAS A MEMORY CYCLE TIME OF .875 USEC AND A MEMORY CAPACITY OF 128K TO 512K WORDS. COMMUNICATIONS CAN BE HANDLED BY EITHER THE GENERAL COMMUNICATIONS SUBSYSTEM (GCS) OR THE COMMUNICATIONS/SYMBIOT PROCESSOR (C/SP). THE 1100/10 SYSTEM OFFERS THE FULL RANGE OF 1100 SERIES PERIPHERALS AND SOFTWARE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 512K MOS
 CYCLE TIME: .875 USEC
 ADD TIME: .875 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): AST/B
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS RPS 1100
- OTHER:

PRICES

COMPUTER: \$450000, 128K
 MEMORY:
 SYSTEM: \$705000, 128K
 INCLUDES 128K CPU; #0770 PRINTER; #7016
 UNITS; #8430 DISK (100MB); UNISCOPE 100
 INAL \$4,378.

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 8430,8433,8425
 FIXED HEAD DISK: 8405,FH-432/1782,845
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE:
 LINE PRINTER: 0770
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100,200
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL,NJALGOL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL
 CARD READER; 4 UNISERVO 12 MAGNETIC TAPE
 DISPLAY TERMINAL.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE 1100/20 IS A MEMBER OF THE UNIVAC 1100 SERIES OF COMPATIBLE, COMMUNICATIONS-ORIENTED COMPUTER SYSTEMS. THE 1100 SERIES INCORPORATES SEMICONDUCTOR MEMORY AND MASS STORAGE PERIPHERALS FOR FAST EXECUTION AND LARGE STORAGE CAPACITY. THE 1100/20 HAS A MEMORY CYCLE TIME OF .875 USEC AND A MEMORY CAPACITY OF 128K TO 512K WORDS. COMMUNICATIONS CAN BE HANDLED BY EITHER THE GENERAL COMMUNICATIONS SUBSYSTEM (GCS) OR THE COMMUNICATIONS/SYMBIONT PROCESSOR (C/SP). THE 1100/20 SYSTEM OFFERS THE FULL RANGE OF 1100 SERIES PERIPHERALS AND SOFTWARE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 512K MOS
 CYCLE TIME: .875 USEC
 ADD TIME: .88 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: .42MB
 PROCESSOR FEATURES (3): BCDRBEK/
 INTERFACE SLOTS: 4-16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNT
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS RPS 1100
- OTHER:

PRICES

COMPUTER: \$710000, 128K
 MEMORY:
 SYSTEM: \$1200000, 128K
 INCLUDES 128K CPU; CRT; PRINTER; CARD READER; MAG TAPE; DISK STORAGE.

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8430,8433,8425
 FIXED HEAD DISK: 8405,FH-432/1782
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE: SERIES 600 TCS
 LINE PRINTER: 0770
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100,200
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL,NALGOL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1975, THE 1100/40 IS A MEMBER OF THE UNIVAC 1100 SERIES OF COMPATIBLE, COMMUNICATIONS-ORIENTED COMPUTER SYSTEMS. THE 1100 SERIES INCORPORATES SEMICONDUCTOR MEMORY AND MASS STORAGE PERIPHERALS FOR FAST EXECUTION AND LARGE STORAGE CAPACITY. THE 1100/40 HAS A MEMORY CYCLE TIME OF .8 USEC AND A MEMORY CAPACITY OF 32K TO 1536K WORDS. UNIT OR MULTIPROCESSOR CONFIGURATIONS (UP TO FOUR PROCESSORS) ARE AVAILABLE AND COMMUNICATIONS CAN BE HANDLED BY EITHER THE GENERAL COMMUNICATIONS SUBSYSTEM (GCS) OR THE C/SP FRONT-END PROCESSOR.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 32 TO 1536K MOS
 CYCLE TIME: .3/.8 USEC
 ADD TIME: .8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ADST/B
 I/O TRANSFER RATE: .5MB
 PROCESSOR FEATURES (3): BCDRNEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTNR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS RPS 1100
- OTHER:

PRICES

COMPUTER: \$1600000, 192K
 MEMORY: \$328000, 64K
 SYSTEM: \$1850000, 192K
 INCLUDES 192K CPU; #0770 PRINTER; #7016
 UNITS; #8430 DISK (100MB); UNISCOPE 100

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8430,8433,8425
 FIXED HEAD DISK: 8405,PH-432/1782,845
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE:
 LINE PRINTER: 0770,0776
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100,200
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL,NUALGOL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL
 CARD READER; 4 UNISERVO 12 MAGNETIC TAPE
 DISPLAY TERMINAL.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE 1100/80 LARGE-SCALE COMPUTER SYSTEM IS ON THE HIGH END OF THE UNIVAC 1100 SERIES OF COMPATIBLE SYSTEMS. FEATURES INCLUDE CACHE MEMORY, ERROR DETECT AND CORRECT, MULTIPROCESSOR (UP TO 4) CONFIGURATIONS, AND SOFTWARE COMPATIBILITY WITH OTHER MEMBERS OF THE 1100 SERIES. SOFTWARE SUPPORT INCLUDES APL, BASIC, ALGOL, PL1, RPG, COBOL, FORTRAN, JOVIAL, AND NUALGOL. THE 1100/80 CONSISTS OF TWO SUB-MODELS: THE 3032-99 WITH ONE BUFFER MODULE AND ONE CABINET CONTAINING 524K WORDS OF BACKING STORAGE, AND THE 3032-97 WITH TWO BUFFER MODULES AND TWO CABINETS. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 2000 TO 16KK MOS
 CYCLE TIME: 0.05 USEC
 ADD TIME: .2 USEC
 CACHE MEMORY: 128KB, 100NS
 # OF INSTRUCTIONS: 210
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ADST/B
 I/O TRANSFER RATE: 1.5MB
 PROCESSOR FEATURES (3): BCDRNEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MNTN
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$1447670, 512K
 MEMORY: \$200000, 512K
 SYSTEM: \$1682486, 512K
 INCLUDES 512K CPU; #0776 PRINTER; #0776
 TAPE UNITS; #8430 DISK (100MB); 6 I/O

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405,8450
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16-20
 TAPE CASSETTE: SERIES 600 TCS
 LINE PRINTER: 0770,800LPH;0776,250
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716,1000CPM;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: 100,200 UTS 400
 MULTIPLEXIOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: JOVIAL,NUALGOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 CARD READER; 4 UNISERVO 12 MAGNETIC
 CHANNELS.

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE UNIVAC 1100/81 IS A 36-BIT COMPUTER SYSTEM DESIGNED FOR BUSINESS, EDUCATIONAL, COMMUNICATIONS, COMPUTATION, AND LABORATORY APPLICATIONS. STANDARD FEATURES INCLUDE FOUR WORD CHANNELS, FLOATING POINT, INDIRECT ADDRESSING, AND A VARIETY OF SOFTWARE LANGUAGES INCLUDING RPG, APL, PL1, BASIC, FORTRAN, AND COBOL. THE 1100/81 PROCESSOR SYSTEM HAS OVER 40% MORE POWER THAN THE ORIGINAL 1100/80. IT CAN BE EXPANDED TO THE FULL 1100/84 SYSTEM WITHOUT ANY EXCHANGE OF EQUIPMENT OR OPERATING SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: K MOS, CORE
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MNTN
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$1621690
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405,843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 0770,800LPM;0776,760
 SERIAL PRINTER:
 CARD RD, PH: 0716,15 CPM;0604,250
 PAPER TAPE RD, PH:
 DISPLAY TERMINAL: F197X,F2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE UNIVAC 1100/82 IS A 36-BIT COMPUTER DESIGNED FOR COMMERCIAL, COMMUNICATIONS, SCIENTIFIC, ENGINEERING, AND EDUCATIONAL APPLICATIONS. THE FEATURES ARE SIMILAR TO THOSE OF THE 1100/81, INCLUDING FLOATING POINT AND FOUR WORD CHANNELS. SOFTWARE SUPPORT CONSISTS OF RPG, PL1, FORTRAN, COBOL, APL, BASIC, AND ALGOL. THE MODEL HAS MORE POWER THAN THE 1100/80 BASIC SYSTEM, AND IT CAN BE EXPANDED TO THE FULL 1100/84 SYSTEM WITHOUT ANY EXCHANGE OF EQUIPMENT OR OPERATING SYSTEMS. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: K MGS,CORE
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR
 MEMORY:
 SYSTEM: \$SEE MFR

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405,843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 0770,800LPH;0776,760
 SERIAL PRINTER:
 CARD RD,PN: 0716,1K CPM;0604,250
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: F197X,F2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE UNIVAC 1100/83 IS A 36-BIT COMPUTER SYSTEM DESIGNED FOR EDUCATIONAL, ENGINEERING, LABORATORY, COMMUNICATIONS PROCESSING, AND BUSINESS APPLICATIONS. STANDARD FEATURES INCLUDE BYTE MANIPULATION, MULTIPLY AND DIVIDE, FLOATING POINT, AND A WIDE VARIETY OF SOFTWARE LANGUAGES INCLUDING APL, BASIC, FORTRAN, RPG, ALGOL, COBOL, AND PL1. THE 1100/83 HAS 3 TIMES THE POWER OF THE SINGLE PROCESSOR 1100/80 MODEL. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 2000 TO 16KK NOS, CORE
 CYCLE TIME: 0.05 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MNTB
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$3700000
 MEMORY: , 2358K
 SYSTEM: \$SEE #FR
 INCLUDES 6 I/O CHANNELS.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405, 843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 0770, 800LPM; 0776, 760
 SERIAL PRINTER:
 CARD RD, PN: 0716, 1K CPH; 0604, 250
 PAPER TAPE RD, PN:
 DISPLAY TERMINAL: F197X, F2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE UNIVAC 1100/84 IS A 36-BIT COMPUTER DESIGNED FOR ENGINEERING, COMMUNICATIONS PROCESSING, SCIENTIFIC, EDUCATIONAL AND BUSINESS APPLICATIONS. STANDARD FEATURES INCLUDE MULTIPLY AND DIVIDE, FLOATING POINT, INDIRECT ADDRESSING, AND BYTE MANIPULATION. SOFTWARE SUPPORT CONSISTS OF PL, ALGOL, BASIC, COBOL, FORTRAN, PL1, AND RPG. THE 1100/84 HAS ABOUT 4 TIMES THE POWER OF THE SINGLE PROCESSOR 1100/81 MODEL. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 2000 TO 16K MOS, CORE
 CYCLE TIME: 0.05 USEC
 ADD TIME:
 CACHE MEMORY:
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFEIKS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$3700000
 MEMORY: \$2358 KB
 SYSTEM: \$SEE MFR
 INCLUDES 6 I/O CHANNELS.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405,843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 0770,800LPM;0776,760
 SERIAL PRINTER: 0716,1K CPM;0604,250
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: F197X,F2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: EMD USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE 1106 IS A MEDIUM-SCALE, 36-BIT, GENERAL PURPOSE COMPUTER. IT SUPPORTS MULTIPROGRAMMING, HAS A HIGH SPEED MEMORY, AND IS AVAILABLE IN MULTIPROCESSOR CONFIGURATIONS. SOFTWARE SUPPORT IS EXTENSIVE AND INCLUDES APPLICATIONS PACKAGES. COMMUNICATION FUNCTIONS FOR THE 1106 CAN BE HANDLED BY THE C/SP OR DCP FRONT-END COMMUNICATIONS PROCESSORS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 524K CORE
 CYCLE TIME: 1.5/1.0 USEC
 ADD TIME: 1.5/1.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): AST/B
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS: 16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
DISK MONITOR
 - * REAL TIME MNTN
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SIS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 128K
 MEMORY:
 SYSTEM: \$1200000, 128K
 INCLUDES 128K CPU; DISK SUBSYSTEM W/3 MAG DRUMS; UNISERVO 20 MAGNETIC TAPE SUBSYSTEMS W/3 TAPE UNITS; CARD READER W/

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 8430,8433,8425
 FIXED HEAD DISK: FH432,PH1782,8450
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE:
 LINE PRINTER: 0768,0770,0776
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: SELECTOR

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: JOVIAL,NVALGOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 CONTROL: CONSOLE.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1964, THE 1108 IS A LARGE-SCALE, 36-BIT, GENERAL PURPOSE COMPUTER. IT SUPPORTS MULTIPROGRAMMING, AND IS AVAILABLE IN MULTIPROCESSOR CONFIGURATIONS. THE 1108, A MEMBER OF THE UNIVAC 1100 FAMILY, IS NO LONGER MANUFACTURED.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 65 TO 262K
 CYCLE TIME: .75 USEC
 ADD TIME: .75 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BEPIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): AST/B
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 65K
 MEMORY:
 SYSTEM: \$2400000, 65K
 INCLUDES 65K CPU, 65K MODULE; DISK SUBSYSTEM W/3 MAG DRUM; UNISERVO 20 MAGNETIC
 TAPE SYBSYSTEM W/3 TAPE UNITS; CARD READER W/CONTROL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8414,8440
 FIXED HEAD DISK: FH432,FH1782
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE:
 LINE PRINTER: 0768,SERIES 0770
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: SELECTOR

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL,NVALGOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1970, THE 1110 IS A LARGE-SCALE, 36-BIT, GENERAL PURPOSE COMPUTER. MULTIPLE PROCESSORS AND INSTRUCTION STACKING ARE STANDARD FEATURES. EXTENSIVE SOFTWARE SUPPORT INCLUDES VARIOUS OPERATING SYSTEMS AND MANY BUSINESS AND SCIENTIFIC APPLICATIONS PACKAGES. COMMUNICATIONS FUNCTIONS FOR THE 1100 ARE HANDLED BY THE C/SP FRONT-END COMMUNICATIONS PROCESSOR.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 32 TO 1048K
 CYCLE TIME: .32 USEC
 ADD TIME: .3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 210
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 24MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
MACRO ASSEM
DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$SEE MFR, 32K
 MEMORY:
 SYSTEM: \$2000000, 163K
 INCLUDES 32K MAIN 131K EXTERNAL STORAGE; DRUM SUBSYSTEM W/2 DISK DRUMS; DISK SUBSYSTEM W/2 DRIVES; MAGNETIC TAPE SUBSYSTEM W/4 TAPE UNITS; CARD READER W/CONT ROL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8414,8440
 FIXED HEAD DISK: FH432,1782,5046/8434
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE: 0866
 LINE PRINTER: 0768,SERS. 0770+0776
 SERIAL PRINTER: ON SYS. CONSOLE
 CARD ED,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER: SELECTOR

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL,NVALGOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 W/2 DISK DRUMS; DISK
 SUBSYSTEM W/4 TAPE UNITS; CARD READER W/CONT ROL.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE 9480 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR RANDOM OR SEQUENTIAL BATCH OR COMMUNICATIONS-ORIENTED PROCESSING. UP TO FIVE PROGRAMS MAY BE PROCESSED CONCURRENTLY IN A MULTIPROGRAMMING ENVIRONMENT. AVAILABLE SOFTWARE INCLUDES COBOL, FORTRAN AND RPG.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 65 TO 262K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 70
 INSTRUCTION TYPES (1): BDEM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AT/
 I/O TRANSFER RATE: .759MB
 PROCESSOR FEATURES (3): BCRHE/
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR
- REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS IMS 4
- OTHER: IMS/90

PRICES

COMPUTER: \$177216, 65K
 MEMORY: \$24000, 32K
 SYSTEM: \$420528, 65K
 INCLUDES 65K CPU AND CONSOLE; PRINTER;
 CARD READER; TWO TAPE DRIVES.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8411,8414,8425
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,16
 TAPE CASSETTE: N/A
 LINE PRINTER: 0768
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100,300
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM: DCT500,524,1000,
 OTHER: SELECTOR 2

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 THREE DISK DRIVES AND CONTROLLER;

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE XEROX 550 IS A LARGE-SCALE SYSTEM DESIGNED FOR SCIENTIFIC AND ENGINEERING PROCESSING. FEATURES INCLUDE MICROPROGRAMMING, VIRTUAL MEMORY, MODULAR ARCHITECTURE, AND MEMORY MAP MANAGEMENT. SOFTWARE SUPPORT INCLUDES THE CP-R (CONTROL PROGRAM FOR REAL TIME) OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 262K
 CYCLE TIME: .645 USEC
 ADD TIME: 1.72 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 97
 INSTRUCTION TYPES (1): BDFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): DM/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): C/PVRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER META
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MONITOR CP-R
- * T/S MONITOR CP-R
- * BATCH MONITOR CP-R
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$104700, 16K
 MEMORY: \$24000, 16K
 SYSTEM: \$196500, 16K
 INCLUDES 16K CPU; 2.88MB DISK; MAGNETIC TAPE; 300 LPM; CARD READER (200 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3283,320X,323X
 FIXED HEAD DISK: 321X,320X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 333X,334X
 TAPE CASSETTE: N/A
 LINE PRINTER: 346X
 SERIAL PRINTER: 701X,702X
 CARD RD,PN: 712X,7140;716X
 PAPER TAPE RD,PN: 7062;7063
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER: PLOTTER 7530/1

SOFTWARE LANGUAGES (*)

- * APLCP-R
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE XEROX 560 IS A LARGE-SCALE SYSTEM DESIGNED FOR SCIENTIFIC AND ENGINEERING PROCESSING. THE 560 FEATURES A REMOTE CONSOLE CONTROL, FIVE REMOTE MULTIPLEXORS, AND 512 MEMORY MAPPAGES IN ADDITION TO THE EQUIPMENT STANDARD ON THE 550. THE 560 ALSO FEATURES A TIME SHARING MODE WHICH ALLOWS SIMULTANEOUS SERVICING OF UP TO 128 USERS. SOFTWARE SUPPORT INCLUDES THE CP-V OPERATING SYSTEM AND FORTRAN AND RPG COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 262K
 CYCLE TIME: .645 USEC
 ADD TIME: 1.72 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 117
 INSTRUCTION TYPES (1): BDFPINS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): DM/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): CPVME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER META
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR CP-V
- * T/S MONITOR CP-V
- * BATCH MONITOR CP-V
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$162700, 16K
 MEMORY: \$24000, 16K
 SYSTEM: \$254500, 16K
 INCLUDES 16K CPU; DISK (2.88MB); MAG TAPE; LINE PRINTER (300 LPM); CARD READER (200 CPM).

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3283,320X,323X
 FIXED HEAD DISK: 321X,320X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 333X,334X
 TAPE CASSETTE: N/A
 LINE PRINTER: 346X
 SERIAL PRINTER: 701X,702X
 CARD RD,PN: 712X,7140,716X
 PAPER TAPE RD,PN: 7062,7063
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER: PLOTTER 7530/1

SOFTWARE LANGUAGES (*)

- * APICP-V
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1971, THE XEROX SIGMA 8 IS A MEDIUM TO LARGE SCALE, GENERAL PURPOSE COMPUTER CAPABLE OF CONCURRENT REAL TIME, BATCH, AND TIME SHARING PROCESSING. THE SIGMA 8 IS ORIENTED TO SCIENTIFIC ENVIRONMENTS AND FEATURES A MEMORY EXPANDABLE FROM 16 TO 512K WORDS. SOFTWARE SUPPORT INCLUDES FORTRAN IV-H AND FLAG (FORTRAN LOAD AND GO). A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

BUSINESS/COMMERCIAL
COMMUNICATIONS PROCESSOR
* INDUSTRIAL CONTROL
* LABORATORY/SCIENTIFIC
* ENGINEERING/COMPUTATION
* EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
MEMORY: 16 TO 512K
CYCLE TIME: .9 USEC
ADD TIME: .73 USEC
CACHE MEMORY: N/A
OF INSTRUCTIONS: 101
INSTRUCTION TYPES (1): BDEFIM/
ACCUMULATORS: 16
INDEX REGISTERS: 16
I/O COMMUNICATIONS (2): M/
I/O TRANSFER RATE: .5MB
PROCESSOR FEATURES (3): C/PVME/
INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

* ASSEMBLER
* MACRO ASSEM
DISK MONITOR
REAL TIME MNTR
T/S MONITOR
BATCH MONITOR
* DATA BASE SYS
OTHER:

PRICES

COMPUTER: \$238000, 16K
MEMORY: \$43000, 16K
SYSTEM: \$310000, 16K
INCLUDES 16K CPU; DISK (.75MB); MAGNETIC TAPE; LINE PRINTER (225 LPM); CARD
READER (200 CPH).

FEATURES (*)

* UPWARD COMPATIBLE
FIELD SERVICE
* APPLICATION SOFTWARE
* CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
* MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 7271
FIXED HEAD DISK: 720X, 7212, 7232
FLEXIBLE DISK: N/A
MAGNETIC TAPE: 73XX
TAPE CASSETTE: N/A
LINE PRINTER: 744X, 7450
SERIAL PRINTER: 701X, 702X
CARD RD, PN: 7140, 716X
PAPER TAPE RD, PN: 7062; 7063
DISPLAY TERMINAL: N/A
MULTIPLEXOR: ASYN, SYN
TERMINALS/SYSTEM:
OTHER: PLOTTER 7530/1

SOFTWARE LANGUAGES (*)

APL
ALGOL
* SINGLE BASIC
* MULTI BASIC
* COBOL
* FORTRAN
PL1
RPG
OTHER: FLAG

MARKETING

MAIN MARKET:
UNITS SOLD:
MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1971, THE XEROX SIGMA 9 IS A MEDIUM TO LARGE SCALE, GENERAL PURPOSE COMPUTER CAPABLE OF CONCURRENT REAL TIME, BATCH, AND TIME SHARING PROCESSING. THE SIGMA 9 IS ORIENTED TO COMMERCIAL APPLICATIONS AND FEATURES A MEMORY EXPANDABLE FROM 16 TO 512K WORDS. SOFTWARE SUPPORT INCLUDES THE CP-V OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 512K
 CYCLE TIME: .9 USEC
 ADD TIME: .73 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 112
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE: .5MB
 PROCESSOR FEATURES (3): CDFVRE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
DISK MONITOR
 - * REAL TIME MNTN CP-V
 - * T/S MONITOR CP-V
 - * BATCH MONITOR CP-V
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$450000, 64K
 MEMORY: \$430000, 16K
 SYSTEM: \$522000, 64K
 INCLUDES 64K CPU; MAGNETIC TAPE; 225 LPM LINE PRINTER; 200 CPM CARD READER.

FEATURES (*)

- * UPWARD COMPATIBLE FIELD SERVICE
- * APPLICATION SOFTWARE CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 7271
 FIXED HEAD DISK: 720X,7212,7232
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 73XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 744X,7450
 SERIAL PRINTER: 701X,702X
 CARD RD,PN: 712X,7140;716X
 PAPER TAPE RD,PN: 7062;7063
 DISPLAY TERMINAL: N/A
 MULTIPLEXIOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER: PLOTTER 7530/1

SOFTWARE LANGUAGES (*)

- * APICP-V
ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
PL1
 - * RPG CP-V
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiport Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

ORIGINALLY INTRODUCED BY RCA IN 1968, THE MODEL 70/46 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER FOR BUSINESS AND SCIENTIFIC APPLICATIONS. THE 70/46 IS A VIRTUAL MEMORY SYSTEM EMPLOYING THE VMOS OPERATING SYSTEM, AND IS COMPATIBLE WITH THE IBM SYSTEM/360 COMPUTERS VIA SOURCE LANGUAGE EMULATION. ALTHOUGH NO LONGER MANUFACTURED, THIS MACHINE IS SUPPORTED AND SOLD ON AN AS-AVAILABLE BASIS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 16 TO 524K
 CYCLE TIME: 1.44 USEC
 ADD TIME: 8.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 152
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: .69MB
 PROCESSOR FEATURES (3): ECDR/M
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
MACRO ASSEM
- * DISK MONITOR DOS/RMS
- * REAL TIME MNTN
- * T/S MONITOR
- * BATCH MONITOR
DATA BASE SYS
- OTHER: TDOS, VMOS

PRICES

COMPUTER: \$183330, 16K
 MEMORY:
 SYSTEM:

INCLUDES 16K CPU; KSR TYPEWRITER.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8564,8565
 FIXED HEAD DISK: 8567
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 8442,8443
 TAPE CASSETTE: N/A
 LINE PRINTER: 8242,8243
 SERIAL PRINTER: N/A
 CARD RD,PN: 8237,8234
 PAPER TAPE RD,PN: 8221,8224
 DISPLAY TERMINAL: 8751,8752
 MULTIPLEXOR: 8 SUBCHANNELS
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
MULTI BASIC
- * COBOL
- * FORTRAN
PL 1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

ORIGINALLY INTRODUCED BY RCA IN 1964 THE 70/55 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER FOR BUSINESS AND SCIENTIFIC APPLICATIONS. THE 70/55 IS COMPATIBLE WITH THE IBM SYSTEM/360 SERIES VIA SOURCE LANGUAGE EMULATION. ALTHOUGH NO LONGER MANUFACTURED, THESE MACHINES ARE SUPPORTED AND SOLD ON AN AS-AVAILABLE BASIS.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 65 TO 524K
 CYCLE TIME: .84 USEC
 ADD TIME: 2.58 USEC
 CACHE MEMORY: N/A
 * OF INSTRUCTIONS: 144
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: .7MB
 PROCESSOR FEATURES (3): CRE/M
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- MACRO ASSEM
- * DISK MONITOR DOS/RMS
- * REAL TIME MNIR
- * T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER: IDOS, TOS

PRICES

COMPUTER: \$425250, 04K
 MEMORY:
 SYSTEM:

INCLUDES 64K CPU; KSR TYPEWRITER.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8564, 8566
 FIXED HEAD DISK: 8567
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 6442, 8443
 TAPE CASSETTE: N/A
 LINE PRINTER: 8242, 8243
 SERIAL PRINTER: N/A
 CARD RD, PW: 8237, 8234
 PAPER TAPE RD, PW: 8221, 8224
 DISPLAY TERMINAL: 6751, 6752
 MULTIPLEXOR: 8 SUBCHANNELS
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- AFL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

ORIGINALLY INTRODUCED BY RCA IN 1969, THE MODEL 70/60 IS A GENERAL PURPOSE COMPUTER FOR BUSINESS AND SCIENTIFIC APPLICATIONS. MODEL 70/60 IS PARTIALLY COMPATIBLE WITH THE IBM SYSTEM/360 SERIES VIA SOURCE LANGUAGE EMULATION. ALTHOUGH NO LONGER MANUFACTURED, THIS MACHINE IS SUPPORTED AND SOLD ON AN AS-AVAILABLE BASIS.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 131 TO 1048K
 CYCLE TIME: .76 USEC
 ADD TIME: 2.64 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 145
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: .9MB
 PROCESSOR FEATURES (3): BCRNE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- HACRO ASSEM
- * DISK MONITOR DOS/RMS
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- DATA BASE SYS
- OTHER: TDOS,TOS

PRICES

COMPUTER: \$577395, 131K
 MEMORY:
 SYSTEM:
 INCLUDES 131K CPU; KSR TYPEWRITER.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR: 16 SUBCHANNELS
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PLI
 * RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

ORIGINALLY INTRODUCED BY RCA IN 1969, THE MODEL 70/61 IS A GENERAL PURPOSE COMPUTER FOR BUSINESS AND SCIENTIFIC APPLICATIONS. THE 70/61 IS A VIRTUAL MEMORY SYSTEM EMPLOYING THE VMOS OPERATING SYSTEM, AND IS PARTIALLY COMPATIBLE WITH THE IBM SYSTEM/360 SERIES VIA SOURCE LANGUAGE EMULATION. ALTHOUGH NO LONGER MANUFACTURED, THIS MACHINE IS SUPPORTED AND SOLD ON AS-AVAILABLE BASIS.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 262 TO 1048K
 CYCLE TIME: .76 USEC
 ADD TIME: 2.64 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 145
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: .9MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
MACRO ASSEM
DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
DATA BASE SYS
- OTHER: VMOS

PRICES

COMPUTER: \$917910, 262K
 MEMORY:
 SYSTEM:
 INCLUDES 262K CPU; KSR TYPEWRITER.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR: 16 SUBCHANNELS
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
ALGOL
- * SINGLE BASIC
MULTI BASIC
- * COBOL
- * FORTRAN
PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bitsynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, UNIVAC'S MODEL 50/25 IS A MEDIUM-SCALE PROCESSOR DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC APPLICATIONS. THE 90/25 FEATURES MICROPROGRAMMED LOGIC AND BYTE-ADDRESSABLE, HALF-WORD-ORIENTED SEMICONDUCTOR MEMORY. INTEGRATED COMMUNICATIONS CAPABILITY IS PROVIDED BY A COMMUNICATIONS ADAPTER, WHICH SUPPORTS THREE COMMUNICATIONS LINES. THE 90/25 SYSTEM IS OPERATED UNDER CONTROL OF OS/5 SOFTWARE AND IS EASILY UPGRADABLE TO A MODEL 90/30.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 64 TO 126K MOS
 CYCLE TIME: .6 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 64/148
 INSTRUCTION TYPES (1): BDI/PM
 ACCUMULATORS:
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCKBE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
MACRO ASSEM
DISK MONITOR
- * REAL TIME MONTR
T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: IMS/90

PRICES

COMPUTER: \$73440, 64K
 MEMORY: \$15840, 32K
 SYSTEM: \$111170

INCLUDES 64K CPD; #8415 DISK STORAGE SUBSYSTEM (24.9MB) \$15,600; CARD READER (300 CPM) \$6,770; LINE PRINTER (300 LPM) \$15,360.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
MULTI-PROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8415,8418
 FIXED HEAD DISK:
 FLEXIBLE DISK: 8413
 MAGNETIC TAPE: UNISERVO 10
 TAPE CASSETTE:
 LINE PRINTER: 0776
 SERIAL PRINTER:
 CARD RD,PN: 0719,0605
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100,200
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
PL 1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD: 0 (02/77)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, MODEL 90/30 IS A MEDIUM-SCALE PROCESSOR DESIGNED FOR BATCH, COMMUNICATIONS AND SCIENTIFIC APPLICATIONS. FEATURES INCLUDE A WRITABLE CONTROL STORE AND MULTIPROCESSING CAPABILITY WHICH PERMITS UP TO SEVEN JOBS TO BE PROCESSED CONCURRENTLY. A WIDE VARIETY OF PERIPHERALS MAY BE ATTACHED INCLUDING UP TO SIXTEEN DISK DRIVES AND TWENTY FOUR HALF-DUPLEX COMMUNICATIONS LINES. VARIOUS AIDS FOR CONVERSION FROM UNIVAC SERIES 7000 SYSTEMS OR FOR IBM SYSTEM/360 EMULATION ARE AVAILABLE.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- * BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 32 TO 524K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 148
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS: 32
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): ADT/
 I/O TRANSFER RATE: .825MB
 PROCESSOR FEATURES (3): BCRE/M
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 - * REAL TIME MNTR OS/3
 T/S MONITOR
 - * BATCH MONITOR OS/3
 - * DATA BASE SYS
- OTHER: IMS/90

PRICES

COMPUTER: \$78500, 32K
 MEMORY: \$6700, 16K
 SYSTEM: \$145000, 32K

INCLUDES 32K CPU; CARD RD \$9,120; PRINTER \$22,080; DISC ADAPTER \$9,600; TWO DISC STORAGE \$23,040; CRT KEYBOARD CONSOLE.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8416,8418,8430
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 10, 12, 14, 16, 20
 TAPE CASSETTE: 0866
 LINE PRINTER: 0773, SERS.0770+0776
 SERIAL PRINTER: N/A
 CARD RD, PN: 0717;0605
 PAPER TAPE RD, PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: 8 SUBCHANNELS
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
 - ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, UNIVAC'S MODEL 90/30B IS A MEDIUM-SCALE PROCESSOR DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC APPLICATIONS. IT FEATURES 90/30 PERFORMANCE BUT CAN ACCOMMODATE LOWER SPEED PERIPHERALS. IT CARRIES THE SAME LIST PRICE AS THE REGULAR 90/30 PROCESSOR.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 32 TO 524K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: .3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 148
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS: 32
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): ADT/
 I/O TRANSFER RATE: .8MB
 PROCESSOR FEATURES (3): BCRK/B
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MONTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: IHS 90

PRICES

COMPUTER: \$78500, 32K
 MEMORY: \$6000, 16K
 SYSTEM:

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8416, 8418, 8430
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 10-20
 TAPE CASSETTE: 0866
 LINE PRINTER: 0773, 0770
 SERIAL PRINTER: N/A
 CARD RD, PW: 0717, 0605
 PAPER TAPE RD, PW: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: 8 SUBCHANNELS
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1973, THE MODEL 90/60 IS A MEDIUM TO LARGE-SCALE COMPUTER DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC PROCESSING. FEATURES INCLUDE THE OS/7 MONITOR WHICH SUPPORTS MULTIJOBING OF UP TO FOURTEEN CONCURRENT PROGRAMS, A THIRTY LINE COMMUNICATIONS CAPACITY, DATA BASE MANAGEMENT AND IBM SYSTEM/360 EMULATION. COMMUNICATIONS CAN BE CONTROLLED BY A 32-LINE MULTICHANNEL COMMUNICATIONS CONTROLLER (MCC) THAT SUPPORTS THE VIRTUAL MEMORY OPERATING SYSTEM/9.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 128 TO 1024K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 1.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 154
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 1.1MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MNTIR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: OS/7

PRICES

COMPUTER: \$284000, 512K
 MEMORY: \$46800, 256K
 SYSTEM: \$700000, 128K
 INCLUDES 128K CPU.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: #8433, #8440
 FIXED HEAD DISK: #8405
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12, 14, 16-34
 TAPE CASSETTE: #0866
 LINE PRINTER: #0768 SERIES 0770
 SERIAL PRINTER: N/A
 CARD RD, PN: #0176, #0604
 PAPER TAPE RD, PN: #0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE MODEL 90/70 IS A DISK-ORIENTED COMPUTER DESIGNED FOR BATCH, COMMUNICATIONS, AND SCIENTIFIC PROCESSING. FEATURES INCLUDE AN OS/7 MONITOR WHICH SUPPORTS MULTITASKING UP TO FOURTEEN CONCURRENT PROGRAMS, A 30-LINE COMMUNICATIONS CAPACITY, DATA BASE MANAGEMENT, IBM SYSTEM/360 EMULATION, AND A 1346K MAIN STORAGE CAPACITY. SYSTEM PERFORMANCE IS INCREASED BY THE OPERATING SYSTEM STORAGE FACILITY (OSSM) WHICH CONSISTS OF A FIXED-HEAD DISK SUB-SYSTEM CONNECTED TO A CONTROL CHANNEL.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 128 TO 1024K MOS
 CYCLE TIME: 1.6 USEC
 ADD TIME: 1.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 154
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 1.1MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MON
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/7

PRICES

COMPUTER: \$398000, 512K
 MEMORY: \$46800, 256K
 SYSTEM: \$900000, 128K
 INCLUDES 128K CPU.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: #8433, #8440
 FIXED HEAD DISK: #8405
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12, 14, 16-34
 TAPE CASSETTE: #0866
 LINE PRINTER: #0768, #0770
 SERIAL PRINTER: N/A
 CARD RD, FN: #0170, #0604
 PAPER TAPE RD, FN: #0920
 DISPLAY TERMINAL: UNISCOPE 109
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE 90/80-2 IS AN 8-BIT COMPUTER SYSTEM DESIGNED FOR BUSINESS, ENGINEERING, LABORATORY, AND COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE STANDARD FLOATING POINT AND COMPATIBILITY WITH UNIVACS 90/60, 90/70, AND 90/80 MODELS. SOFTWARE SUPPORT INCLUDES COBOL, RPG, AND FORTRAN. THE 90/80-2 COSTS LESS THAN THE 90/80-3 AND HAS A SMALLER CPU MEMORY CAPACITY. THE 90/80-2 HAS A MUCH FASTER CYCLE TIME THAN THE ASIC 90/80 SYSTEM AND IS USER MICROPROGRAMMABLE. DELIVERIES ARE EXPECTED TO BEGIN IN THE SECOND QUARTER OF 1978.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 1000 TO 1000K MOS
 CYCLE TIME: 0.13 USEC
 ADD TIME:
 CACHE MEMORY: KB, NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): A/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): EK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEMBLER
- * DISK MONITOR
- * REAL TIME MONITOR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYSTEM
- OTHER: OS/7

PRICES

COMPUTER: \$720,000
 MEMORY: \$87,550
 SYSTEM: \$798,250, 1000K
 INCLUDES 1000K CPU.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 84XX
 FIXED HEAD DISK: 8405,5040/8434
 FLEXIBLE DISK: 8406
 MAGNETIC TAPE: UNIVEPSO 1X
 TAPE CASSETTE: 610
 LINE PRINTER: 0768
 SERIAL PRINTER:
 CAPD RD,PN: 0716;250 CPM
 PAPER TAPE RD,PN: 300 CPS;100 CPS
 DISPLAY TERMINAL: UTS 400,700,DCT LINE
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN 1977, THE 90/80-3 IS AN 8-BIT COMPUTER DESIGNED FOR BUSINESS, ENGINEERING, LABORATORY, AND COMMUNICATIONS APPLICATIONS. FEATURES INCLUDE STANDARD FLOATING POINT AND COMPATIBILITY WITH UNIVAC'S 90/60, 90/70, AND 90/80 MODELS. SOFTWARE SUPPORT INCLUDES COBOL, FORTRAN, AND PPG. THE 90/80-3 COSTS MORE THAN THE 90/80-2 AS ITS MEMORY CAPACITY IS 4 TIMES GREATER. THE 90/80-3 HAS A MUCH FASTER CYCLE TIME THAN THE BASIC 90/80 SYSTEM AND IS USER MICROPROGRAMMABLE. DELIVERIES ARE EXPECTED TO BEGIN IN THE SECOND QUARTER OF 1978.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 8 BITS
 MEMORY: 4000 TO 4000K MOS
 CYCLE TIME: 0.1 USEC
 ADD TIME:
 CACHE MEMORY: FB, NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEPIM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): A/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): EK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: OS/7

PRICES

COMPUTER: \$900000
 MEMORY:
 SYSTEM: \$1019700

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 84XX
 FIYED HEAD DISK: 8405,5040/8434
 FLEXIBLE DISK: 8406
 MAGNETIC TAPP: UNIVERSO 1X
 TAPE CASSETTE: 610
 LINE PRINTER: 0768
 SERIAL PRINTER:
 CARD RD,PF: 0716;250 CPM
 PAPER TAPE RD,PN: 300 CPS;100 CPS
 DISPLAY TERMINAL: UTS 400,700,DCT LINE
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL
 * FORTRAN
 PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multiprot Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1976, THE 90/80 IS THE FOURTH AND LARGEST SYSTEM IN THE SERIES 90 FAMILY OF GENERAL PURPOSE COMPUTERS. THE 90/80 IS COMPATIBLE WITH ALL SERIES 90 AND THE LARGER SERIES 70 COMPUTER SYSTEMS. THE 90/80 HARDWARE CONSISTS OF AN INSTRUCTION PROCESSOR AND A PERIPHERAL PROCESSOR. FEATURES INCLUDE A HIGH-SPEED SEMICONDUCTOR MEMORY, ERROR CORRECTION CODE (ECC), AND EMITTER COUPLED LOGIC (ECL) CIRCUITRY FOR ADDED SYSTEM RELIABILITY. ADD-ON MEMORY IS AVAILABLE IN 524KB BYTE INCREMENTS UP TO 4MB.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 524 TO 4000K
 CYCLE TIME: .45/8 BYTS USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 187
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 36
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDPRBE/
 INTERFACE SLOTS: 8

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME EDIT
 - * T/S MONITOR VS/9
 - * BATCH MONITOR VS/9
 - * DATA BASE SIS DMS/90
- OTHER:

PRICES

COMPUTER: \$1060000, 524K
 MEMORY: \$218400, 524K
 SYSTEM: \$2000000

INCLUDES 524K CPU; DISK SUBSYSTEM; MAGNETIC TAPE SUBSYSTEM; SYSTEM CONSOLE; CARD READER; PRINTER; AND 1 YEAR MAINTENANCE.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8414, 8425, 8430, 8433
 FIXED HEAD DISK: 8405-00, 04, 5040/8434
 FLEXIBLE DISK: 8406
 MAGNETIC TAPE: UNISERVO 10, 12, 14, 16
 TAPE CASSETTE: 610
 LINE PRINTER: 0768, SERIES 0770
 SERIAL PRINTER:
 CARD RD, PW: 0716; 250 CPM
 PAPER TAPE RD, PW: 300 CPS; 100 CPS
 DISPLAY TERMINAL: UTS 400, 700, DCT LINE
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
 - ALGOL
 - SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER: UNIQUE

MARKETING

MAIN MARKET: EWD USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE 1100/10 IS THE LOW END OF UNIVAC'S 1100 SERIES OF COMPATIBLE, COMMUNICATIONS-ORIENTED COMPUTER SYSTEMS. THE 1100 SERIES INCORPORATES SEMICONDUCTOR MEMORIES AND MASS STORAGE PERIPHERALS FOR FAST EXECUTION AND LARGE STORAGE CAPACITY. THE 1100/10 HAS A MEMORY CYCLE TIME OF 1.25 USEC AND A MEMORY CAPACITY OF 128K TO 512K WORDS. COMMUNICATIONS CAN BE HANDLED BY EITHER THE GENERAL COMMUNICATIONS SUBSYSTEM (GCS) OR THE COMMUNICATIONS/SYMBIOMI PROCESSOR (C/SP). THE 1100/10 SYSTEM OFFERS THE FULL RANGE OF 1100 SERIES PERIPHERALS AND SOFTWARE.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 512K MOS
 CYCLE TIME: 1.25 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): 5DEFINS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): BCDFRMEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
 - * MACRO ASSEM
DISK MONITOR
 - * REAL TIME MWIR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS RPS 1100
- OTHER:

PRICES

COMPUTER: \$450000, 126K
 MEMORY:
 SYSTEM: \$705000, 126K
 INCLUDES 126K CPU; #0770 PRINTER \$56,304; #7016 CARD READER \$15,504; 4 UNISERVO
 12 H. TAPE UNITS \$81,552; #8430 DISK (100HB) \$96,960; UNISCOPE 100 DISPLAY TERM-
 INAL \$4,376.

FEATURES (+)

- * UPWARD COMPATIBLE
FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8430,8433,8425
 FIXED HEAD DISK: 8405,PH-432/1782
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE: SERIES 600 TCS
 LINE PRINTER: 0770
 SERIAL PRINTER: N/A
 CARD RD,PN: 0776;0604
 PAPER TAPE RD,PH: 0920
 DISPLAY TERMINAL: UNISCOPE 100,200
 MULTIPLEXOR: SYN,ASIN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- * APL
 - * ALGOL
 - * SINGLE BASIC
MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL 1
 - * RPG
- OTHER: JOVIAL, NUNALGOL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE 1100/20 IS A MEMBER OF UNIVAC'S 1100 SERIES OF COMPATIBLE, COMMUNICATIONS-ORIENTED COMPUTER SYSTEMS. THE 1100 SERIES INCORPORATES SEMICONDUCTOR MEMORY AND MASS STORAGE PERIPHERALS FOR FAST EXECUTION AND LARGE STORAGE CAPACITY. THE 1100/20 HAS A MEMORY CYCLE TIME OF .875 USEC AND A MEMORY CAPACITY OF 128K TO 512K WORDS. COMMUNICATIONS CAN BE HANDLED BY EITHER THE GENERAL COMMUNICATIONS SUBSYSTEM (GCS) OR THE COMMUNICATIONS/SYMBIONT PROCESSOR (C/SP). THE 1100/20 SYSTEM OFFERS THE FULL RANGE OF 1100 SERIES PERIPHERALS AND SOFTWARE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 128 TO 512K MOS
 CYCLE TIME: .875 USEC
 ADD TIME: .88 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: .42MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 4-16

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MNTB
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS RPS 1100
- OTHER:

PRICES

COMPUTER: \$710000
 MEMORY:
 SYSTEM: \$1200000, 128K
 INCLUDES 128K CPU; CRT; PRINTER; CARD READER; MAG TAPE; DISK STORAGE.

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8430,8433,8425
 FIXED HEAD DISK: 8405,PH-432/1782
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE: SERIES 600 TCS
 LINE PRINTER: 0770
 SERIAL PRINTER: N/A
 CARD RD,PH: 0716;0604
 PAPER TAPE RD,PH: 0920
 DISPLAY TERMINAL: UNISCOPE 106,200
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: JOVIAL,NUALGOL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE 1100/40 IS A MEMBER OF UNIVAC'S 1100 SERIES OF COMPUTABLE, COMMUNICATIONS-ORIENTED COMPUTER SYSTEMS. THE 1100 SERIES INCORPORATES SEMICONDUCTOR MEMORY AND MASS STORAGE PERIPHERALS FOR FAST EXECUTION AND LARGE STORAGE CAPACITY. THE 1100/40 HAS A MEMORY CYCLE TIME OF .8 USEC AND A MEMORY CAPACITY OF 32K TO 1536K WORDS. UNIT OR MULTIPROCESSOR CONFIGURATIONS (UP TO FOUR PROCESSORS) ARE AVAILABLE AND COMMUNICATIONS CAN BE HANDLED BY EITHER THE GENERAL COMMUNICATIONS SUBSYSTEM (GCS) OR THE C/SF FRONT-END PROCESSOR.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 32 TO 1536K MOS
 CYCLE TIME: .3/.8 USEC
 ADD TIME: .8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: .5MB
 PROCESSOR FEATURES (3): BCDRMEK/
 INTERFACE SLOTS: 8-24

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MONTE
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS RFS 1100
- OTHER:

PRICES

COMPUTER: \$1600000, 192K
 MEMORY: \$328000, 64K
 SYSTEM: \$1850000, 192K
 INCLUDES 192K CPU; #0770 PRINTER \$56,304; #7016 CARD READER \$15,504; 4 UNISERVO 12 H. TAPE UNITS \$81,552; #8430 DISK (100MB) \$96,960; UNISCOPE 100 DISPLAY TERMINAL \$4,378.

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8430,8433,8425
 FIXED HEAD DISK: 8405, FH-432/1782
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12, 14, 16, 20
 TAPE CASSETTE: SERIES 600 TCS
 LINE PRINTER: 0770
 SERIAL PRINTER: N/A
 CARD RD, PN: 0716; 0604
 PAPER TAPE RD, PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100, 200
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER: JOVIAL, NUALGOL

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bysynchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE UNIVAC 1100/81 IS A 36-BIT COMPUTER SYSTEM DESIGNED FOR BUSINESS, EDUCATIONAL, COMMUNICATIONS, COMPUTATION, AND LABORATORY APPLICATIONS. STANDARD FEATURES INCLUDE FOUR WORD CHANNELS, FLOATING POINT, INDIRECT ADDRESSING, AND A VARIETY OF SOFTWARE LANGUAGES INCLUDING RPG, APL, PL1, BASIC, FORTRAN, AND COBOL. THE 1100/81 PROCESSOR SYSTEM HAS OVER 40% MORE POWER THAN THE ORIGINAL 1100/80. IT CAN BE EXPANDED TO THE FULL 1100/84 SYSTEM WITHOUT ANY EXCHANGE OF EQUIPMENT OR OPERATING SYSTEMS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: K MOS, CORE
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: KB, NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTN
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$16216 90
 MEMORY:
 SYSTEM:

INCLUDES 2 TO 8 DISKS PER SYSTEM; 4 WORDCHANNEL; 8K WORDS OF BUFFFF STORAGE PER MODULE; SYSTEM MAINTENANCE UNIT; TRANSITION UNIT; SYSTEM CONSOL.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405, 843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LIMP PRINTER: 0770, 800LPM; 0776, 760
 SERIAL PRINTER:
 CAPD RD, PW: 0716, 15 CPM; 0604, 250
 PAPER TAPE RD, PW:
 DISPLAY TERMINAL: P197X, P2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: PND USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1976, THE UNIVAC 1100/82 IS A 36-BIT COMPUTER DESIGNED FOR COMMERCIAL, COMMUNICATIONS, SCIENTIFIC, ENGINEERING, AND EDUCATIONAL APPLICATIONS. THE FEATURES ARE SIMILAR TO THOSE OF THE 1100/81, INCLUDING FLOATING POINT AND FOUR WORD CHANNELS. SOFTWARE SUPPORT CONSISTS OF RPG, PL1, FORTRAN, COBOL, APL, BASIC, AND ALGOL. THE MODEL HAS MORE POWER THAN THE 1100/80 BASIC SYSTEM, AND IT CAN BE EXPANDED TO THE FULL 1100/84 SYSTEM WITHOUT ANY EXCHANGE OF EQUIPMENT OR OPERATING SYSTEMS. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt. N/A)

WORD SIZE: 36 BITS
 MEMORY: F MOS,CORE
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: KB, NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEPIMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM:

INCLUDES 2 TO 8 DISKS PER SYSTEM.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs. N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405,843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 0770,800LPM;0776,760
 SERIAL PRINTER:
 CARD RD,PN: 0716,1K CPM;0604,250
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: F197X,P2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1977, THE UNIVAC 1100/83 IS A 36-BIT COMPUTER SYSTEM DESIGNED FOR EDUCATIONAL, ENGINEERING, LABORATORY, COMMUNICATIONS PROCESSING, AND BUSINESS APPLICATIONS. STANDARD FEATURES INCLUDE BYTE MANIPULATION, MULTIPLY AND DIVIDE, FLOATING POINT, AND A WIDE VARIETY OF SOFTWARE LANGUAGES INCLUDING APL, BASIC, FORTRAN, RPG, ALGOL, COBOL, AND PL1. THE 1100/83 HAS 3 TIMES THE POWER OF THE SINGLE PROCESSOR 1100/80 MODEL AND COSTS ABOUT TWICE AS MUCH. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE. DELIVERIES OF THE 1100/83 ARE SCHEDULED TO BEGIN IN THE SECOND QUARTER OF 1978.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 2000 TO 16KK MOS,CORE
 CYCLE TIME: 0.05 USEC
 ADD TIME:
 CACHE MEMORY: KB, NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDEFINS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MNTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$3700000
 MEMORY: , 2358K
 SYSTEM:
 INCLUDES 6 I/O CHANNELS.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405,843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 0770,800LPM;0776,760
 SERIAL PRINTER:
 CARD RD,PN: 0716,1K CPM;0604,250
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: P197X,P2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
 - * ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - * PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1977, THE UNIVAC 1100/84 IS A 36-BIT COMPUTER DESIGNED FOR ENGINEERING, COMMUNICATIONS PROCESSING, SCIENTIFIC POINT, INDIRECT ADDRESSING, AND BYTE MANIPULATION. SOFTWARE SUPPORT CONSISTS OF PL, ALGOL, BASIC, COBOL, FORTRAN, PL1, AND RPG. THE 1100/84 HAS ABOUT 4 TIMES THE POWER OF THE SINGLE PROCESSOR 1100/81 MODEL AND IT COSTS OVER TWICE AS MUCH. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE. DELIVERIES OF THE 1100/84 ARE SCHEDULED TO BEGIN IN THE SECOND QUARTER OF 1978.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 2000 TO 16KK MOS,CORE
 CYCLE TIME: 0.05 USEC
 ADD TIME:
 CACHE MEMORY: KB, NS
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BDFPMS/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): AB/
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): /
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- DESK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$3700000
 MEMORY: \$2358 KB
 SYSTEM:

INCLUDES 6 I/O CHANNELS.

FEATURES (*)

- UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8424
 FIXED HEAD DISK: 8405,843X
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER: 0770,800LPM;0776,760
 SERIAL PRINTER: 0716,1K CPM;0604,250
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: P197X,P2074
 MULTIPLEXOR: STD
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B** = Byte Manipulation
- D** = Decimal Arithmetic
- E** = Extended Precision
- F** = Floating Point
- I** = Indirect Addressing
- M** = Multiply & Divide
- S** = Stack Processing

(2) I/O COMMUNICATIONS:

- A** = Asynchronous
- B** = Bisynchronous
- D** = Direct Memory Access
- M** = Multiport Memory
- S** = Selectable Line Speeds
- T** = Autodial

(3) PROCESSOR FEATURES

- B** = Base Address Relocation
- C** = Real Time Clock
- D** = Dynamic Page Relocation
- E** = Memory Parity Detect
- F** = Power Fail Safe
- K** = Memory Parity Correct
- M** = Memory Protection
- R** = Priority Interrupt
- V** = Vectored Interrupt

INTRODUCED IN LATE 1976, THE 1100/80 LARGE-SCALE COMPUTER IS THE HIGH END OF UNIVAC'S 1100 SERIES OF GENERAL PURPOSE COMPUTERS. FEATURES INCLUDE CACHE MEMORY, ERROR DETECT AND CORRECT, MULTIPROCESSOR CONFIGURATIONS, AND SOFTWARE COMPATIBILITY WITH OTHER MEMBER OF THE 1100 SERIES. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 512 TO 4096K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: 64KB, 125NS
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): ABDS/
 I/O TRANSFER RATE: 1.5MB
 PROCESSOR FEATURES (3): BCDRHEK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- * REAL TIME MONTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$1621690, 512K
 MEMORY: \$126000, 256K
 SYSTEM: \$1876000, 512K
 INCLUDES 512K CPU; #0770 PRINTER \$56,304; #7016 CARD READER \$15,504; 4 UNISERVO
 12 M. TAPE UNITS \$81,552; #8430 DISK (100MB) \$96,960; UNISCOPE 100 DISPLAY TER-
 MINAL \$4,348.

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 6430,8433,8425
 FIXED HEAD DISK: 6405,432/1782,8434
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16-36
 TAPE CASSETTE: SERIES 600 TCS
 LINE PRINTER: 0770
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE HD,PN: 0920
 DISPLAY TERMINAL: 100,200,VTS400
 MULTIPLEXOR: SYN,ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL, NVALGOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE 1106 IS A MEDIUM-SCALE, 36-BIT, GENERAL PURPOSE COMPUTER. IT SUPPORTS MULTIPROGRAMMING, HAS HIGH SPEED MEMORY, AND IS AVAILABLE IN MULTIPROCESSOR CONFIGURATIONS. SOFTWARE SUPPORT IS EXTENSIVE AND INCLUDES VARIOUS OPERATING SYSTEMS AND APPLICATIONS PACKAGES. COMMUNICATION FUNCTIONS FOR THE 1106 CAN BE HANDLED BY THE C/SP FRONT-END COMMUNICATIONS PROCESSOR.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 64 TO 256K CORE
 CYCLE TIME: 1.5/1.0 USEC
 ADD TIME: 1.5/1.0 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): A/
 I/O TRANSFER RATE: 2MB
 PROCESSOR FEATURES (3): BCDBBE/
 INTERFACE SLOTS: 16

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
MACRO ASSEN
DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM: \$1200000, 128K
 INCLUDES 128K CPU; DISK SUBSYS. W/3 MAG
 SYS. W/3 TAPE UNITS \$135,360; 9300 SYS. W/REG'D ATTACH. \$108,760; CARD RD + CTRL. \$15,504; CONSOLE \$42,240.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
USER MICROPROGRAMMABLE
FACTORY MICROPROGRAMMABLE
VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8414,8440
 FIXED HEAD DISK: FH432,FH1782
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE: 0866
 LINE PRINTER: 0768,SERIES 0770
 SERIAL PRINTER: N/A
 CARD RD,PW: 0716;0604
 PAPER TAPE RD,PW: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- * APL
- * ALGOL
- * SINGLE BASIC
MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL,NVALGOL

MARKETING

MAIN MARKET: EWD USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 DRUMS \$270,340; UNISERVO 20 H. TAPE SUB-
 W/REG'D ATTACH. \$108,760;CARD RD + CTRL.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1964, THE 1108 IS A LARGE-SCALE, 36-BIT, GENERAL PURPOSE COMPUTER. IT SUPPORTS MULTIPROGRAMMING, AND IS AVAILABLE IN MULTIPROCESSOR CONFIGURATIONS. THE 1108, A MEMBER OF UNIVAC'S 1100 FAMILY, IS NO LONGER MANUFACTURED.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 65 TO 262K
 CYCLE TIME: .75 USEC
 ADD TIME: .75 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 165
 INSTRUCTION TYPES (1): BEPI/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): A/
 I/O TRANSFER RATE: 8MB
 PROCESSOR FEATURES (3): BCDRM/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNT
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER:
 MEMORY:

SYSTEM: \$2400000, 65K

INCLUDES 65K CPU, 65K MODULE \$511,150; DISC SUBSYS. W/3 MAG DRUM \$270,340; UNISERVO 20 H. TAPE SUBSYS. W/3 TAPE UNITS \$135,360; 9300 SYS. W/REG'D ATTACH. \$108,780P CARD RD + CTRL. \$15,504.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8414,8440
 FIXED HEAD DISK: PH432,PH1782
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,14,16,20
 TAPE CASSETTE: 0866
 LINE PRINTER: 0768,SERIES 0770
 SERIAL PRINTER: N/A
 CARD RD,PH: 0716;0604
 PAPER TAPE RD,PH: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL,NUALGOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1970, THE 1110 IS A LARGE-SCALE, 36-BIT, GENERAL PURPOSE COMPUTER. MULTIPLE PROCESSORS AND INSTRUCTION STACKING ARE STANDARD FEATURES. EXTENSIVE SOFTWARE SUPPORT INCLUDES VARIOUS OPERATING SYSTEMS AND MANY BUSINESS AND SCIENTIFIC APPLICATIONS PACKAGES. COMMUNICATIONS FUNCTIONS FOR THE 1100 ARE HANDLED BY THE C/SP FRONT-END COMMUNICATIONS PROCESSOR.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 36 BITS
 MEMORY: 32 TO 1046K
 CYCLE TIME: .32 USEC
 ADD TIME: .3 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 210
 INSTRUCTION TYPES (1): BDEFIMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 15
 I/O COMMUNICATIONS (2): AD/
 I/O TRANSFER RATE: 24MB
 PROCESSOR FEATURES (3): BCDRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTN
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM: \$2000000, 163K
 INCLUDES 32K MAIN 131K EXT. STOR.; DRUM SUBSYS. W/2 DISK DRUMS \$208,420; DISK
 SUBSYS. W/2 DRIVES \$128,660; MAG TAPE SUBSYS. W/4 TAPE UNITS \$196,192; 9300 SUB-
 SYS \$108,776; CARD READER + CTRL.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8414,8440
 FIXED HEAD DISK: FH432,1782,5046/8434
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12, 14, 16, 20
 TAPE CASSETTE: 0866
 LINE PRINTER: 0768, SERS. 0770+0776
 SERIAL PRINTER: ON SYS. CONSOLE
 CARD RD, PN: 0716; 0604
 PAPER TAPE RD, PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APL
- * ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- * PL1
- * RPG
- OTHER: JOVIAL, NUALGOL

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1972, THE 3760 IS A PROGRAMMABLE COMMUNICATIONS UNIT DESIGNED TO INTERFACE UNIVAC TERMINALS TO IBM SYSTEM/360 AND SYSTEM/370 HOST PROCESSORS WITHOUT CONVERSION OF IBM TELECOMMUNICATIONS SOFTWARE.

APPLICATION (*)

BUSINESS/COMMERCIAL
 * COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 64K
 CYCLE TIME: .75 USEC
 ADD TIME: 1.5 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 200
 INSTRUCTION TYPES (1): BH/
 ACCUMULATORS: 32
 INDEX REGISTERS: 32
 I/O COMMUNICATIONS (2): ADMS/T
 I/O TRANSFER RATE: .038MB
 PROCESSOR FEATURES (3): CPRE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM: \$55000

FEATURES (*)

UPWARD COMPATIBLE
 * FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE: 0866
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE RD,PN:
 DISPLAY TERMINAL: UNISCOPE 100
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1966, UNIVAC'S 9200 IS A SMALL GENERAL PURPOSE, CARD ORIENTED SYSTEM DESIGNED PRIMARILY FOR BUSINESS DATA PROCESSING. THE 9200 CAN BE EXPANDED EASILY TO MORE VERSATILE CONFIGURATIONS OR CONVERTED TO A LARGER UNIVAC 9200II SYSTEM.

APPLICATION (-)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 8 TO 16K PLATED WIRE
 CYCLE TIME: 1.2 USEC
 ADD TIME: 40.8 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 35
 INSTRUCTION TYPES (1): BDER/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE: .35MB
 PROCESSOR FEATURES (3): RE/
 INTERFACE SLOTS: 3/1

SYSTEMS SOFTWARE (-)

- ASSEMBLER
- * MACRO ASSEM 8K
- * DISK MONITOR 12K
- REAL TIME MTR
- T/S MONITOR
- BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$34176, 8K
 MEMORY: \$19296, 8K
 SYSTEM: \$48336, 8K
 INCLUDES 8K CPU; PRINTER (250 LPH); CARD READER (400 CPH) \$6,288; CARD PUNCH 200 CPH) \$7,872.

FEATURES (-)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 841X,8424
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 0858-X
 TAPE CASSETTE: N/A
 LINE PRINTER: 0760
 SERIAL PRINTER: N/A
 CARD RD, PW: 071X,060X
 PAPER TAPE RD, PW: P1033,P1032
 DISPLAY TERMINAL: N/A
 MULTIPLEXIOR: ASYM,SYM
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (-)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL 16K
- FORTRAN
- PL1
- * RPG 8K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1966, UNIVAC'S MODEL 9200II IS A GENERAL PURPOSE SYSTEM DESIGNED PRIMARILY FOR BUSINESS DATA PROCESSING. THE 9200II IS BASICALLY AN UPGRADED VERSION OF UNIVAC'S MODEL 9200, AND THUS CAN BE TAPE, DISC, AND CARD ORIENTED, HAS A LARGER MEMORY, AND CAN ACCEPT MANY MORE PERIPHERALS, PRODUCING FASTER THROUGHPUT AND GREATER VERSATILITY.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 8 TO 32K PLATED WIRE
 CYCLE TIME: 1.2 USEC
 ADD TIME: 40.6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 35
 INSTRUCTION TYPES (1): BDEM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE: .35MB
 PROCESSOR FEATURES (3): RE/
 INTERFACE SLOTS: 3+2

SYSTEMS SOFTWARE (*)

ASSEMBLER
 * MACRO ASSEM 8K
 * DISK MONITOR 12K
 REAL TIME MTR
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER: \$34176, 8K
 MEMORY: \$19296, 8K
 SYSTEM: \$48336
 INCLUDES 6K CPU; PRINTER (250 LPM); CARD READER (400 CPM) \$6,288; CARD PUNCH (200 CPM) \$7,872.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 841X,8424
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO VII-C,12
 TAPE CASSETTE: N/A
 LINE PRINTER: 0768-00,-99,02
 SERIAL PRINTER: N/A
 CARD RD,PN: 071X,060X
 PAPER TAPE RD,PN: F1033,F1032
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYM,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 * COBOL 16K
 FORTRAN
 PL1
 * RPG 8K
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1966, UNIVAC'S 9300 IS A SMALL SCALE, GENERAL PURPOSE COMPUTER DESIGNED PRIMARILY FOR BUSINESS DATA PROCESSING. THE 9300 IS SIMILAR TO THE 9200 BUT HAS BETTER PERFORMANCE AND CYCLE TIMES. THE 9300 CAN BE EXPANDED EASILY TO MORE VERSATILE CONFIGURATIONS OR CONVERTED TO A LARGER UNIVAC 9300II SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 8 TO 32K PLATED WIRE
 CYCLE TIME: .6 USEC
 ADD TIME: 20.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 35
 INSTRUCTION TYPES (1): BDMN/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE: .35MB
 PROCESSOR FEATURES (3): RE/
 INTERFACE SLOTS: 3/1

SYSTEMS SOFTWARE (*)

- ASSEMBLER
- * MACRO ASSEM 8K
- * DISK MONITOR 12K
- REAL TIME HWTR
- T/S MONITOR
- BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$65627, 8K
 MEMORY:
 SYSTEM:

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 841X,8424
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 0858-IX
 TAPE CASSETTE: N/A
 LINE PRINTER: 0768
 SERIAL PRINTER: N/A
 CARD RD,PN: 071X,060X
 PAPER TAPE RD,PN: F1033,F1032
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 8K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bissynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1966, UNIVAC'S 9300II IS A SMALL GENERAL PURPOSE COMPUTER DESIGNED PRIMARILY FOR BUSINESS DATA PROCESSING. THE 9300II IS BASICALLY AN UPGRADED VERSION OF THE 9300, CAN BE TAPE AND DISK, AS WELL AS CARD, ORIENTED AND HAS A LARGER MEMORY THAN THE 9300. THE 9300II CAN ALSO ACCEPT MANY MORE PERIPHERALS THAN THE 9300, PRODUCING FASTER THROUGHPUT AND GREATER VERSATILITY.

APPLICATION (+)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 8 TO 32K PLATED WIRE
 CYCLE TIME: .6 USEC
 ADD TIME: 20.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 35
 INSTRUCTION TYPES (1): BDEM/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2): /ABS
 I/O TRANSFER RATE: .35MB
 PROCESSOR FEATURES (3): RE/
 INTERFACE SLOTS: 3+2

SYSTEMS SOFTWARE (+)

- ASSEMBLER
- * MACRO ASSEM 8K
- * DISK MONITOR 12K
- REAL TIME MONTR
- T/S MONITOR
- BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$65627
 MEMORY:
 SYSTEM:

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 841X,8424
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 0858-XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 0768
 SERIAL PRINTER: N/A
 CARD RD,PN: 071X,060X
 PAPER TAPE RD,PN: F1033,F1032
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL 16K
- * FORTRAN 16K
- PL1
- * RPG 8K
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE 9480 IS A MEDIUM-SCALE, GENERAL PURPOSE COMPUTER DESIGNED FOR RANDOM OR SEQUENTIAL BATCH OR COMMUNICATIONS-ORIENTED PROCESSING. UP TO FIVE PROGRAMS MAY BE PROCESSED CONCURRENTLY IN A MULTIPROGRAMMING ENVIRONMENT. AVAILABLE SOFTWARE INCLUDES COBOL, FORTRAN AND RPG.

APPLICATION (+)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 64 TO 256K MOS
 CYCLE TIME: .6 USEC
 ADD TIME: 6 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 70
 INSTRUCTION TYPES (1): BDEM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AT/
 I/O TRANSFER RATE: .33MB
 PROCESSOR FEATURES (3): BCRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- REAL TIME MNTR
- T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS IHS 4
- OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM: \$350000, 65K
 INCLUDES 65K CPU AND CONSOLE; PRINTER +
 \$71,090; CARD RD. + CTRL. \$12,192.

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8411,8414
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 12,16
 TAPE CASSETTE: N/A
 LINE PRINTER: 0768
 SERIAL PRINTER: N/A
 CARD RD,PN: 0716;0604
 PAPER TAPE RD,PN: 0920
 DISPLAY TERMINAL: UNISCOPE 100,300
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
- ALGOL
- SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL
 \$63,220; TWO DISC STORAGE + CTRL.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bysynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

COMPANY PROFILE

Corporate Address VARIAN DATA MACHINES
 2722 Michelson Drive
 Irvine, California 92713
 (714) 833-2400

Varian Data Machines, a subsidiary of Varian Associates manufactures and markets a family of general-purpose computers and has been a pioneer in the application of minicomputers to science and engineering in government and industry.

Established: 1967
Number of Employees: 10,000
Revenue: \$310,444,000 (Varian Associates, 9/75)
Net Earnings (Loss): \$ 7,705,000 (Varian Associates, 9/75)
Offices: U.S., Germany
Sales

PRODUCTS available include minicomputers and computers plus the following peripheral devices: disk units, magnetic tape transports, line printers, card and paper tape equipment, display terminals, STATOS printer/plotters and digital plotters.

SOFTWARE support includes an assembler, macro assemblers BASIC, FORTRAN and RPG II and IV compilers, VORTEX and VORTEX II (Varian Amnitask Real Time Executive) multi-programming, real time operating system, TOTAL data base management system, HASP/RJE system and a Time Sharing Subsystem (TSS).

INTRODUCED IN 1972, THE C/SP IS A FRONT-END COMMUNICATIONS PROCESSOR DESIGNED TO HANDLE THE COMMUNICATIONS REQUIREMENTS OF THE 1100 SERIES COMPUTERS. IT CAN CONTROL UP TO 64 FULL-DUPLEX OR 128 HALF-DUPLEX LINES WITH TRANSMISSION RATES FROM 45 TO 50,000 BPS.

APPLICATION (+)

BUSINESS/COMMERCIAL
 * COMMUNICATIONS PROCESSOR
 INDUSTRIAL CONTROL
 LABORATORY/SCIENTIFIC
 ENGINEERING/COMPUTATION
 EDUCATIONAL SYSTEM
 BANKING SYSTEM
 DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 8 BITS
 MEMORY: 32 TO 128K
 CYCLE TIME: .63 USEC
 ADD TIME: 2.52 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 52
 INSTRUCTION TYPES (1): BM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): D/AET
 I/O TRANSFER RATE: .1MB
 PROCESSOR FEATURES (3): CRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

* ASSEMBLER
 * MACRO ASSEM
 DISK MONITOR
 * REAL TIME MNT
 T/S MONITOR
 * BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM: \$91400, 32K
 INCLUDES 1 CU UNIT \$22,180; 32K STORAGE \$42,840; SP. DEVICE CH. \$1,510; CARD RD \$2,270; CONSOLE \$5,440; CH. ADAPTER \$5,540; GEN. PURPOSE COMM. CH. \$11,590.

FEATURES (+)

UPWARD COMPATIBLE
 * FIELD SERVICE
 APPLICATION SOFTWARE
 CONVERSATIONAL LANGUAGES
 USER MICROPROGRAMMABLE
 FACTORY MICROPROGRAMMABLE
 VIRTUAL MEMORY MACHINE
 MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 8425
 FIXED HEAD DISK: N/A
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: UNISERVO 16
 TAPE CASSETTE: N/A
 LINE PRINTER: 0768, SERIES 0770
 SERIAL PRINTER: N/A
 CARD RD, PN: 0711; 0604
 PAPER TAPE RD, PN: N/A; N/A
 DISPLAY TERMINAL: UNISCOPE 100, DCT LBE
 MULTIPLEXOR: YES
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

AFL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1974, THE V-72 IS A GENERAL PURPOSE, MICROPROGRAMMED COMPUTER FOR SCIENTIFIC, INDUSTRIAL, AND DATA-COMMUNICATION APPLICATIONS. THE V-72 IS USER-MICROPROGRAMMABLE AND SUPPORTS REAL-TIME MULTIPROGRAMMING, UNDER CONTROL OF THE VORTEX OPERATING SYSTEM. THE V-72 UTILIZES A SINGLE-PORT, 660 NANOSECOND, CORE MEMORY AND FEATURES MEMORY INTERLEAVING. A MEMORY MAP OPTION PERMITS MEMORY EXPANSION TO 256K WORDS.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 256K CORE
 CYCLE TIME: .66 USEC
 ADD TIME: .66-2.4 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 160
 INSTRUCTION TYPES (1): BINS/EF
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): AD/B
 I/O TRANSFER RATE: .33MB
 PROCESSOR FEATURES (3): CDPVEM/E
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 4K
- * MACRO ASSEMBLER 8K
- * DISK MONITOR 8K
- * REAL TIME MONITOR 4K,8K
- * T/S MONITOR
- * BATCH MONITOR 8K
- * DATA BASE SYS
- OTHER: VORTEX

PRICES

COMPUTER:
 MEMORY: \$3500, 8K
 SYSTEM:
 INCLUDES 32K CPU; MODEL 33 TTY; CART DISK (2.34MB); CARD READER (300 CFB); VORTEX OPERATING SYSTEM.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 75IX,76IX
 FIXED HEAD DISK: 76IX,77IX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 7IX
 TAPE CASSETTE: N/A
 LINE PRINTER: 67IX
 SERIAL PRINTER: 61IX
 CARD RD,PN: 6200;6201
 PAPER TAPE RD,PN: 63IX
 DISPLAY TERMINAL: 640X
 MULTIPLEXOR: ASYN,SYN,A-D,D-A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 8K
- MULTI BASIC
- COBOL
- * FORTRAN 8K
- PL1
- * RPG 4K
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD: 600 (09/75)
 MAINTENANCE: OR CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1972, THE V-73 IS A GENERAL PURPOSE, MICROPROGRAMMED COMPUTER FOR SCIENTIFIC, INDUSTRIAL AND DATA-COMMUNICATIONS APPLICATIONS. THE V-73 IS USER-MICROPROGRAMMABLE AND SUPPORTS REAL TIME MULTIPROGRAMMING, UNDER CONTROL OF THE VORTEX OPERATING SYSTEM. THE V-73 FEATURES A MULTIBUS DESIGN WITH DUAL-PORT MEMORIES, PERMITTING AN ALMOST UNLIMITED NUMBER OF MULTIPROCESSOR CONFIGURATIONS. SEMICONDUCTOR MEMORY, CORE, OR BOTH, CAN BE SPECIFIED FOR EACH CPU AND THE MEMORY MAP OPTION ENABLES MEMORY EXPANSION TO 256K WORDS.

APPLICATION (*)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 256K MOS, CORE
 CYCLE TIME: .33/.66 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 160
 INSTRUCTION TYPES (1): INS/EF
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ADH/B
 I/O TRANSFER RATE: .33MB
 PROCESSOR FEATURES (3): CDPRM/E
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: VORTEX

PRICES

COMPUTER: \$14500, 8K
 MEMORY: \$3500, 8K
 SYSTEM: \$71600

INCLUDES 32K CPU; #ASR-33 TTY; CARD READER (300 CPN); LINE PRINTER (300 LPH); R. TAPE (37.5 IPS); DISK (4.68MB).

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 75XX,76XX
 FIXED HEAD DISK: 76XX,77XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 71XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 67XX
 SERIAL PRINTER: 61XX
 CARD RL,PN: 6200;6201
 PAPER TAPE RD,PN: 63XX
 DISPLAY TERMINAL: 640X
 MULTIPLEXOR: ASYN,SYN,A-D,D-A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisyynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1973, THE V-74 IS A GENERAL PURPOSE, MICROPROGRAMMED COMPUTER FOR SCIENTIFIC, INDUSTRIAL, AND DATA-COMMUNICATION APPLICATIONS. THE V-74 IS USER-MICROPROGRAMMABLE AND SUPPORTS REAL-TIME MULTIPROGRAMMING, UNDER CONTROL OF THE VORTEX OPERATING SYSTEM. THE V-74 FEATURES DUAL-PORT MEMORIES FOR MULTIPROCESSOR CONFIGURATIONS AND PRIORITY MEMORY ACCESS (PMA) THAT PERMITS AUTOMATIC, HIGH-SPEED BLOCK DATA TRANSFERS BETWEEN THE COMPUTER MEMORY AND PERIPHERALS CONTROLLERS VIA BLOCK TRANSFER CONTROLLERS. MEMORY MAP HARDWARE, PERMITTING MEMORY EXPANSION TO 256K WORDS, IS STANDARD.

APPLICATION (+)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 256K MOS, CORE
 CYCLE TIME: .33/.66 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 160
 INSTRUCTION TYPES (1): IMS/EP
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ADM/B
 I/O TRANSFER RATE: .33MB
 PROCESSOR FEATURES (3): CDFRM/E
 INTERFACE SLOTS: 14

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MNTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: VORTEX

PRICES

COMPUTER: \$35900, 8K
 MEMORY: \$3500, 8K
 SYSTEM: \$101750
 INCLUDES 64K CPU; CARD READER (300 CPM); PAPER TAPE READER/PUNCH (300CPS/75CPS);
 LINE PRINTER (300 LPM); M. TAPE (37.5 IPS); DISK (23.4MB).

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 75XX,76XX
 FIXED HEAD DISK: 76XX,77XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 71XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 67XX
 SERIAL PRINTER: 61XX
 CARD RD,PN: 6200;6201
 PAPER TAPE RD,PN: 63XX
 DISPLAY TERMINAL: 640X
 MULTIPLEXOR: ASYN,SYN,A-D,D-A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1975, THE V-75 IS A GENERAL PURPOSE, MICROPROGRAMMED COMPUTER FOR SCIENTIFIC, INDUSTRIAL, AND DATA-COMMUNICATION APPLICATIONS. THE V-75 IS USER-MICROPROGRAMMABLE AND SUPPORTS REAL-TIME MULTIPROGRAMMING, UNDER CONTROL OF THE VORTEX OPERATING SYSTEM. THE V-75 FEATURES A MAIN MEMORY EXPANDABLE FROM 64K TO 256K WORDS USING STANDARD MEMORY MAPPING HARDWARE, PRIORITY MEMORY ACCESS (PMA), AND DUAL-PORT MEMORIES FOR MULTIPROCESSOR CONFIGURATIONS.

APPLICATION (+)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 64 TO 256K MOS, CORE
 CYCLE TIME: .33/.66 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS:
 INSTRUCTION TYPES (1): BINS/EF
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ADM/B
 I/O TRANSFER RATE: 6MB
 PROCESSOR FEATURES (3): CDFRR/E
 INTERFACE SLOTS: 19

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME MWTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: VORTEX

PRICES

COMPUTER: \$35000, 64K
 MEMORY: \$3500, 8K
 SYSTEM:

FEATURES (+)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 75XX,76XX
 FIXED HEAD DISK: 76XX,77XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 71XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 67XX
 SERIAL PRINTER: 61XX
 CARD RD,PM: 6200;6201
 PAPER TAPE RD,PM: 63XX
 DISPLAY TERMINAL: 640X
 MULTIPLEXOR: ASYN,SYN,A-D,D-A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- APL
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- COBOL
- * FORTRAN
- PL 1
- * RPG
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE V-76 IS THE HIGH-END OF THE V-70 SERIES OF GENERAL PURPOSE MICROPROGRAMMED COMPUTERS. PRIMARY APPLICATIONS OF THE V-76 ARE BUSINESS/COMMERCIAL, DATA COMMUNICATIONS, DATA BASE MAINTENANCE, AND SCIENTIFIC. V-76 FEATURES INCLUDE DECIMAL AND EXTENDED PRECISION ARITHMETIC INSTRUCTIONS, BASE ADDRESS RELOCATION, SELECTABLE LINE SPEEDS, AND AUTODIAL AND BISYNCHRONOUS COMMUNICATIONS. IN ADDITION THE V-76 IS FACTORY MICROPROGRAMMABLE AND CAN BE CONFIGURED AS A MULTIPROCESSOR SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 1000K
 CYCLE TIME: .66 USEC
 ADD TIME: 1.609 USEC
 CACHE MEMORY: 2KB, 371NS
 # OF INSTRUCTIONS: 187/14
 INSTRUCTION TYPES (1): BDEFIH/
 ACCUMULATORS: 8
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): ABDHST/
 I/O TRANSFER RATE: 1.6MB
 PROCESSOR FEATURES (3): BCDPVRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 4K
- * MACRO ASSEM 8K
- * DISK MONITOR 8K
- * REAL TIME MNTN 4K,8K
- * T/S MONITOR
- * BATCH MONITOR 8K
- * DATA BASE SYS
- OTHER: VORTEX

PRICES

COMPUTER: \$11000, 16K
 MEMORY: \$2900, 16K
 SYSTEM: \$35000

INCLUDES 32K CPU; MODEL 33 TTY; CART DISK (2.34HB); CARD READER (300 CPH); VORTEX OPERATING SYSTEM.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 75XX,76XX
 FIXED HEAD DISK: 76XX,77XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 71XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 67XX
 SERIAL PRINTER: 61XX
 CARD RD, PW: 6200;6201
 PAPER TAPE RD, PW: 63XX
 DISPLAY TERMINAL: 640X
 MULTIFLEXOR: ASTN, SYN, A-D, D-A
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 8K
- MULTI BASIC
- * COBOL
- * FORTRAN 8K
- PLI
- * RPG 4K
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD: 300 (09/76)
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE VARIAN V77/200 IS THE SMALLEST MEMBER OF VARIAN'S V77 FAMILY OF MINICOMPUTERS FOR SOPHISTICATED OEMS IN SCIENTIFIC AND DATA COMMUNICATIONS APPLICATIONS. THE V77/200 CAN BE USED IN STAND-ALONE OR MULTIPLE-COMPUTER DISTRIBUTED DATA PROCESSING NETWORKS WITH LARGER MEMBERS OF THE V77 FAMILY. IT IS AVAILABLE ON A SINGLE BOARD, AND FEATURES THE ABILITY TO HANDLE 8, 16, OR 32-BIT DATA, DUAL BUS ARCHITECTURE, AND THE VORTEX MULTI-TASK OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 32K MOS
 CYCLE TIME: .66 USEC
 ADD TIME: N/A
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 187
 INSTRUCTION TYPES (1): BEIM/
 ACCUMULATORS: 1
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): ABDS/T
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): CPV/R
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

- * ASSEMBLER 8K
- * MACRO ASSEM 16K
- * DISK MONITOR 16K
- * REAL TIME MNTR 16K
- T/S MONITOR
- * BATCH MONITOR 32K
- DATA BASE SYS
- OTHER: VORTEX OS

PRICES

COMPUTER: \$2550, 8K
 MEMORY: \$1850, 8K
 SYSTEM: \$42675
 INCLUDES 32K CPU; CARD READER (300 CPM); #6404 DISPLAY TERMINAL; SERIAL PRINTER (165 CPS); DISK (2.34MB); #9204 CABINET.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 75XX,76XX
 FIXED HEAD DISK: 76XX,77XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 710X
 TAPE CASSETTE: N/A
 LINE PRINTER: 67XX
 SERIAL PRINTER: 610X
 CARD RD, PW: 6200;6201
 PAPER TAPE RD, PW: 63XX
 DISPLAY TERMINAL: 640X
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC 16K
- MULTI BASIC
- COBOL
- * FORTRAN 32K
- PL1
- * RPG 32K
- OTHER:

MARKETING

MAIN MARKET: END USER, OEM
 UNITS SOLD:
 MAINTENANCE: OM CALL
 #6404 DISPLAY TERMINAL; SERIAL PRINTER

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1976, THE V77/400 IS A POWERFUL, USER-MICROPROGRAMMABLE MINICOMPUTER DESIGNED AS A STAND-ALONE SYSTEM FOR HIGH VOLUME SCIENTIFIC AND FINANCIAL APPLICATIONS, OR AS THE "MIDDLEMAN" IN A MULTI-TIERED NETWORK COMPRISED OF ALL THREE MEMBERS OF VARIAN'S NEW V77 COMPUTER FAMILY. FEATURES INCLUDE 32-BIT MICROINSTRUCTIONS, 660 NSEC MEMORY CYCLE TIME AND A 1024K MAXIMUM MEMORY CAPACITY.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 8 TO 1024K MOS
 CYCLE TIME: .66 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 187
 INSTRUCTION TYPES (1): BEIM/D
 ACCUMULATORS: 1
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): ABDMS/T
 I/O TRANSFER RATE: .72/2MB
 PROCESSOR FEATURES (3): CFVH/RE
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
- * MACRO ASSEM
- * DISK MONITOR
- * REAL TIME ENTR
- * T/S MONITOR
- * BATCH MONITOR
- * DATA BASE SYS
- OTHER: TRANSACTION PROCESSOR

PRICES

COMPUTER: \$5200, 8K
 MEMORY: \$1350, 8K
 SYSTEM: \$110550
 INCLUDES 32K CPU; #6402 AND #6404 DISPLAY TERMINALS; MAG TAPE UNIT (800 BPI; 25 IPS); DISK (128MB); #9204 CABINET.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: #75XX, #76XX
 FIXED HEAD DISK: #76XX, #77XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: #710X
 TAPE CASSETTE: N/A
 LINE PRINTER: #67XX
 SERIAL PRINTER: #610X
 CARD RD, PN: #6200; #6201
 PAPER TAPE RD, PN: #63XX
 DISPLAY TERMINAL: #640X
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

COMPANY PROFILE

Corporate Address: WANG LABORATORIES, INCORPORATED
836 North Street
Tewksbury, Massachusetts 01876
(617) 851-4111

Wang Laboratories is an innovator in applied electronics for office use. The company pioneered the development of the programmable calculator, which fills the gap between desk-top calculators and the computer. Applications include engineering, medical-scientific, education and business.

Established	1951
Number of Employees	2,800
Revenue	\$75,828,000 (6/75)
Net Earnings (Loss)	\$ 3,255,000
Offices	Worldwide
Sales	

PRODUCTS available include the Disk Work Station, mini-computers plus the following peripheral devices: disk units, diskettes, magnetic tape transports and cassettes, serial printers and card paper tape equipment, display terminals, digitizers, flat bed plotters and plotting typewriters.

SOFTWARE support includes a hardwired disk monitor, a data base system and a BASIC interpreter.

INTRODUCED IN 1977, THE WCS/60 IS A 32-BIT MINICOMPUTER SYSTEM DESIGNED FOR BUSINESS AND COMMERCIAL APPLICATIONS. THE MODEL FEATURES STANDARD FLOATING POINT, MEMORY PARITY DETECT AND CORRECT, VIRTUAL MEMORY (PLUS UP TO 512K BYTES OF REAL MEMORY), AND INDEPENDENT I/O PROCESSORS. SOFTWARE SUPPORT INCLUDES RPG, COBOL, AND BASIC. THE SYSTEM IS BASED ON THE WANG 2200VS PROCESSOR, AND CAN SUPPORT UP TO 16 CRT'S. A WIDE VARIETY OF PERIPHERALS IS AVAILABLE. THE WCS/60 IS ONLY marginally compatible with less powerful Wang systems.

APPLICATION (*)

* BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
INDUSTRIAL CONTROL
LABORATORY/SCIENTIFIC
ENGINEERING/COMPUTATION
EDUCATIONAL SYSTEM
BOOKING SYSTEM
DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
MEMORY: 64 TO 256K MOS
CYCLE TIME:
ADD TIME:
CACHE MEMORY: KB, NS
OF INSTRUCTIONS: 170+
INSTRUCTION TYPES (1): BDFPM/
ACCUMULATORS:
INDEX REGISTERS:
I/O COMMUNICATIONS (2): /
I/O TRANSFER RATE:
PROCESSOR FEATURES (3): EK/
INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
MACRO ASSEM
DISK MONITOR
REAL TIME MNTP
T/S MONITOR
BATCH MONITOR
DATA BASE SYS
OTHER:

PRICES

COMPUTER:
MEMORY:
SYSTEM: \$84800

INCLUDES 192K CPU; 6 WORK STATIONS, 2 10MB DISK DRIVES; DISKETTE; 240 LPM PRINTER.

FEATURES (*)

UPWARD COMPATIBLE
FIELD SERVICE
APPLICATION SOFTWARE
* CONVERSATIONAL LANGUAGES
* USER MICROPROGRAMMABLE
* FACTORY MICROPROGRAMMABLE
* VIRTUAL MEMORY MACHINE
* MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
FIXED HEAD DISK:
FLEXIBLE DISK:
MAGNETIC TAPE:
TAPE CASSETTE:
LINE PRINTER:
SERIAL PRINTER:
CARD PD, PN:
PAPER TAPE PD, PN:
DISPLAY TERMINAL:
MULTIPLEXOR:
TERMINALS/SYSTEM:
OTHER:

SOFTWARE LANGUAGES (*)

APL
ALGOL
* SINGLE BASIC
* MULTI BASIC
* COBOL
FORTRAN
PL1
* RPG
OTHER:

MARKETING

MAIN MARKET: END USER
UNITS SOLD:
MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

B = Byte Manipulation
D = Decimal Arithmetic
E = Extended Precision
F = Floating Point
I = Indirect Addressing
M = Multiply & Divide
S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
B = Bisynchronous
D = Direct Memory Access
M = Multipoint Memory
S = Selectable Line Speeds
T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
C = Real Time Clock
D = Dynamic Page Relocation
E = Memory Parity Detect
F = Power Fail Safe
K = Memory Parity Correct
M = Memory Protection
R = Priority Interrupt
V = Vectored Interrupt

INTRODUCED IN 1977, THE WCS/80 IS A 32-BIT MINICOMPUTER SYSTEM DESIGNED FOR BUSINESS AND COMMERCIAL APPLICATIONS. FEATURES INCLUDE STANDARD FLOATING POINT, MEMORY PARITY DETECT AND CORRECT, VIRTUAL MEMORY (PLUS UP TO 512K BYTES OF REAL MEMORY), AND INDEPENDENT I/O PROCESSORS. SOFTWARE SUPPORT INCLUDES RPG, COBOL, AND BASIC. THE SYSTEM IS BASED ON THE WANG 2200 PROCESSOR, AND SUPPORTS UP TO 23 CPT'S. THE WCS/80 COSTS APPROXIMATELY TWICE AS MUCH AS THE WCS/60 BUT HAS TWICE AS GREAT A CPU MEMORY CAPACITY. A VARIETY OF PERIPHERALS IS AVAILABLE. THE WCS/60 IS marginally compatible with less powerful Wang systems.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- INDUSTRIAL CONTROL
- LABORATORY/SCIENTIFIC
- ENGINEERING/COMPUTATION
- EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 256 TO 512K MOS
 CYCLE TIME:
 ADD TIME:
 CACHE MEMORY: KB, NS
 # OF INSTRUCTIONS: 170+
 INSTRUCTION TYPES (1): BDFPM/
 ACCUMULATORS:
 INDEX REGISTERS:
 I/O COMMUNICATIONS (2): /
 I/O TRANSFER RATE:
 PROCESSOR FEATURES (3): EK/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

ASSEMBLER
 MACRO ASSEM
 DISK MONITOR
 REAL TIME MNTF
 T/S MONITOR
 BATCH MONITOR
 DATA BASE SYS
 OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM: \$172000
 INCLUDES 384K CPU; 10 WORKSTATIONS; 3 75MB DISK DRIVES; DISKETTE; 600 LPM PRINT-EP.

FEATURES (*)

- UPWARD COMPATIBLE
- FIELD SERVICE
- APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK:
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER:
 CARD RD,PN:
 PAPER TAPE PD,PN:
 DISPLAY TERMINAL:
 MULTIPLEXOR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

APL
 ALGOL
 * SINGLE BASIC
 * MULTI BASIC
 * COBOL
 FORTRAN
 PL1
 * RPG
 OTHER:

MARKETING

MAIN MARKET: END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multipoint Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

COMPANY PROFILE

Corporate Address: XEROX CORPORATION - COMPUTER SYSTEMS
701 South Aviation Boulevard
El Segundo, California 90245
(213) 679-4511

Xerox is no longer manufacturing computers.

Established	1906
Number of Employees	93,532
Revenue	\$4,054,000,000 (12/75)
Net Earnings (Loss)	\$ 244,000,000 (12/75)
Offices	Worldwide
Sales	

PRODUCTS include the 530 small business computer plus the following peripheral devices: disk units, magnetic tape transports, line and serial printers, card and paper tape equipment, graphic plotters and data communications equipment.

SOFTWARE support includes an assembler, a macro assembler, ANS FORTRAN IV, RPG II, and ANS COBOL compilers, a disk-based real time batch monitor (RBM) and the Basic Control Monitor (BCM) for multi-tasking.

INTRODUCED IN 1976, THE V77/600 IS A POWERFUL, USER-MICROPROGRAMMABLE MINICOMPUTER. FEATURES INCLUDE A 330 NSEC PROCESSOR, A HIGH SPEED CACHE MEMORY, MEMORY MAPPING TECHNIQUES THAT ENABLE UP TO SIXTEEN USERS TO TIE INTO A MAIN MEMORY OF UP TO ONE MILLION 16-BIT WORDS, AND 64-BIT MICROINSTRUCTIONS. OPTIONS INCLUDE FLOATING POINT INSTRUCTIONS AND AUTODIAL.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION EDUCATIONAL SYSTEM
- * BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 16 TO 1024K MOS
 CYCLE TIME: .66 USEC
 ADD TIME:
 CACHE MEMORY: 2KB, NS
 # OF INSTRUCTIONS: 187
 INSTRUCTION TYPES (1): BEIM/DF
 ACCUMULATORS: 1
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): ABDES/T
 I/O TRANSFER RATE: .72/2MB
 PROCESSOR FEATURES (3): CPMH/RE
 INTERFACE SLOTS: 24

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME HWTR
 - * T/S MONITOR
 - * BATCH MONITOR
 - * DATA BASE SYS
- OTHER: TRANSACTION PROCESSOR

PRICES

COMPUTER: \$12900, 16K
 MEMORY: \$2900, 16K
 SYSTEM: \$149725

INCLUDES 64K CPU; PRINTER (300 LPM); #6401 DISPLAY TERMINAL; 2 M TAPE UNITS (800 BPI, 25 IPS); DISK (256MB); #9204 CABINET.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE
- * CONVERSATIONAL LANGUAGES
- * USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: #75XX, #76XX
 FIXED HEAD DISK: #76XX, #77XX
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: #710X
 TAPE CASSETTE: N/A
 LINE PRINTER: #67XX
 SERIAL PRINTER: #610X
 CARD RD, PW: #6200, #6201
 PAPER TAPE RD, PW: #63XX
 DISPLAY TERMINAL: #640X
 MULTIPLEXOR: SYN, ASYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- APL
 - ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET: OEM, END USER
 UNITS SOLD:
 MAINTENANCE: ON CALL

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bisynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1974, THE XEROX 550 IS A LARGE-SCALE SYSTEM DESIGNED FOR SCIENTIFIC AND ENGINEERING PROCESSING. FEATURES INCLUDE MICROPROGRAMMING, VIRTUAL MEMORY, MODULAR ARCHITECTURE, AND MEMORY MAP MANAGEMENT. SOFTWARE SUPPORT INCLUDES THE CP-R (CONTROL PROGRAM FOR REAL TIME) OPERATING SYSTEM.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 262K
 CYCLE TIME: .645 USEC
 ADD TIME: 1.72 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 97
 INSTRUCTION TYPES (1): BDPINS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): DM/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): C/PVME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER META
- MACRO ASSEM
- DISK MONITOR
- * REAL TIME MNTR CP-R
- * T/S MONITOR CP-R
- * BATCH MONITOR CP-R
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$104,700, 16K
 MEMORY: \$24,000, 16K
 SYSTEM: \$19,650
 INCLUDES 16K CPU; 2.88MB DISK \$37,240; MAG TAPE \$29,700; 300 LPM \$17,000; CARD
 READER (200 CPH) \$7,900.

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3283,320X,323X
 FIXED HEAD DISK: 321X,320X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 333X,334X
 TAPE CASSETTE: N/A
 LINE PRINTER: 346X
 SERIAL PRINTER: 701X,702X
 CARD RD,PH: 712X,7140;716X
 PAPER TAPE RD,PH: 7062;7063
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APLCP-R
- ALGOL
- * SINGLE BASIC
- MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisenchronous
 D = Direct Memory Access
 M = Multipoint Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1974, THE XEROX 560 IS A LARGE-SCALE SYSTEM DESIGNED FOR SCIENTIFIC AND ENGINEERING PROCESSING. THE 560 IS SIMILAR TO THE 550 BUT FEATURES A REMOTE CONSOLE CONTROL, FIVE REMOTE MULTIPLEXORS, AND 512 MEMORY MAP PAGES IN ADDITION TO THE EQUIPMENT STANDARD ON THE 550. THE 560 ALSO FEATURES A TIME SHARING MODE WHICH ALLOWS SIMULTANEOUS SERVICING OF UP TO 128 USERS. SOFTWARE SUPPORT INCLUDES THE CP-V OPERATING SYSTEM AND FORTRAN AND RPG COMPILERS.

APPLICATION (*)

- * BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 262K
 CYCLE TIME: .645 USEC
 ADD TIME: 1.72 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 117
 INSTRUCTION TYPES (1): BDFPMS/
 ACCUMULATORS: 16
 INDEX REGISTERS: 7
 I/O COMMUNICATIONS (2): DM/
 I/O TRANSFER RATE: 1MB
 PROCESSOR FEATURES (3): CFWRME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER META
 - MACRO ASSEM
 - DISK MONITOR
 - * REAL TIME MONTR CP-V
 - * T/S MONITOR CP-V
 - * BAICH MONITOR CP-V
 - DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$162700, 16K
 MEMORY: \$24000, 16K
 SYSTEM: \$254500, 16K
 INCLUDES 16K CPU; DISK (2.88MB) \$37,240; MAG TAPE \$29,700; LINE PRINTER (300 LPM) \$17,000; CARD READER (200 CPM) \$7,900.

FEATURES (*)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 3283, 320X, 323X
 FIXED HEAD DISK: 321X, 320X
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 333X, 334X
 TAPE CASSETTE: N/A
 LINE PRINTER: 346X
 SERIAL PRINTER: 701X, 702X
 CARD RD, PN: 712X, 7140, 716X
 PAPER TAPE RD, PN: 7062; 7063
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APLCF-V
 - ALGOL
 - * SINGLE BASIC
 - MULTI BASIC
 - * COBOL
 - * FORTRAN
 - PL 1
 - * RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

THE SCU IS A MODULAR, MICROPROGRAMMABLE, GENERAL PURPOSE CONTROLLER. IT CAN FUNCTION AS A STAND-ALONE, REAL TIME PROCESSOR, AN INTELLIGENT REMOTE TERMINAL, OR A COMMUNICATIONS OR PERIPHERALS CONTROLLER/PROCESSOR IN CONJUNCTION WITH A LARGER HOST COMPUTER.

APPLICATION (+)

- BUSINESS/COMMERCIAL
- * COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- * DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 16 BITS
 MEMORY: 4 TO 65K
 CYCLE TIME: .7 USEC
 ADD TIME:
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 48
 INSTRUCTION TYPES (1): BFIMS/
 ACCUMULATORS: 8
 INDEX REGISTERS: 8
 I/O COMMUNICATIONS (2):
 I/O TRANSFER RATE: 5.7MB
 PROCESSOR FEATURES (3): VR/E
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- MACRO ASSEM
- DISK MONITOR
- REAL TIME MNTNR
- T/S MONITOR
- BATCH MONITOR
- DATA BASE SYS
- OTHER:

PRICES

COMPUTER:
 MEMORY:
 SYSTEM:

FEATURES (+)

- UPWARD COMPATIBLE
- FIELD SERVICE
- APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- * FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK:
 FIXED HEAD DISK: YES
 FLEXIBLE DISK:
 MAGNETIC TAPE:
 TAPE CASSETTE:
 LINE PRINTER:
 SERIAL PRINTER: YES
 CARD RD,PN:
 PAPER TAFF RD,PF: YES;YES
 DISPLAY TERMINAL:
 MULTIPLEXCR:
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

APL
 ALGOL
 SINGLE BASIC
 MULTI BASIC
 COBOL
 FORTRAN
 PL1
 RPG
 OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

INTRODUCED IN 1971, THE XEROX SIGMA 8 IS A MEDIUM TO LARGE SCALE, GENERAL PURPOSE COMPUTER CAPABLE OF CONCURRENT REAL TIME, BATCH, AND TIME SHARING PROCESSING. THE SIGMA 8 IS ORIENTED TO SCIENTIFIC ENVIRONMENTS AND FEATURES A MEMORY EXPANDABLE FROM 16 TO 128K WORDS. SOFTWARE SUPPORT INCLUDES FORTRAN IV-H AND FLAG (FORTRAN LOAD AND GO) . A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (+)

- BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL
- * LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM
- BANKING SYSTEM
- DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 512K
 CYCLE TIME: .9 USEC
 ADD TIME: .73 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 101
 INSTRUCTION TYPES (1): BDEFIN/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): N/
 I/O TRANSFER RATE: .5MB
 PROCESSOR FEATURES (3): C/PV/RNE/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (+)

- * ASSEMBLER
- * MACRO ASSEM
- DISK MONITOR
- REAL TIME MONTR
- T/S MONITOR
- BATCH MONITOR
- * DATA BASE SYS
- OTHER:

PRICES

COMPUTER: \$238000, 16k
 MEMORY: \$43000, 16K
 SYSTEM: \$310000
 INCLUDES 16K CPU \$238,000; DISK (.75MB) \$23,000; MAG TAPE \$17,000; LINE PRINTER (225 LPH) \$24,000; CARD READER (200 CPH) \$8,000.

FEATURES (+)

- * UPWARD COMPATIBLE
- FIELD SERVICE
- * APPLICATION SOFTWARE
- CONVERSATIONAL LANGUAGES
- USER MICROPROGRAMMABLE
- FACTORY MICROPROGRAMMABLE
- VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 7271
 FIXED HEAD DISK: 720X,7212,7232
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 73XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 744X,7450
 SERIAL PRINTER: 701X,702X
 CARD RD,PN: 7140;716X
 PAPER TAPE RD,PN: 7062;7063
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASN,SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (+)

- AFL
- ALGOL
- * SINGLE BASIC
- * MULTI BASIC
- * COBOL
- * FORTRAN
- PL1
- RPG
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:
 \$23,000; MAG TAPE \$17,000; LINE PRINTER \$8,000.

(1) INSTRUCTIONS:

- B = Byte Manipulation
- D = Decimal Arithmetic
- E = Extended Precision
- F = Floating Point
- I = Indirect Addressing
- M = Multiply & Divide
- S = Stack Processing

(2) I/O COMMUNICATIONS:

- A = Asynchronous
- B = Bysynchronous
- D = Direct Memory Access
- M = Multiport Memory
- S = Selectable Line Speeds
- T = Autodial

(3) PROCESSOR FEATURES

- B = Base Address Relocation
- C = Real Time Clock
- D = Dynamic Page Relocation
- E = Memory Parity Detect
- F = Power Fail Safe
- K = Memory Parity Correct
- M = Memory Protection
- R = Priority Interrupt
- V = Vectored Interrupt

INTRODUCED IN 1971, THE XEROX SIGMA 9 IS A MEDIUM TO LARGE SCALE, GENERAL PURPOSE COMPUTER CAPABLE OF CONCURRENT REAL TIME, BATCH, AND TIME SHARING PROCESSING. THE SIGMA 9 IS ORIENTED TO COMMERCIAL APPLICATIONS AND FEATURES A MEMORY EXPANDABLE FROM 65 TO 512K WORDS. SOFTWARE SUPPORT INCLUDES THE CP-V OPERATING SYSTEM. A VARIETY OF PERIPHERALS IS AVAILABLE.

APPLICATION (*)

- * BUSINESS/COMMERCIAL COMMUNICATIONS PROCESSOR
- * INDUSTRIAL CONTROL LABORATORY/SCIENTIFIC
- * ENGINEERING/COMPUTATION
- * EDUCATIONAL SYSTEM BANKING SYSTEM DATA ENTRY SYSTEM

COMPUTER (Std/Opt, N/A)

WORD SIZE: 32 BITS
 MEMORY: 16 TO 512K
 CYCLE TIME: .9 USEC
 ADD TIME: .73 USEC
 CACHE MEMORY: N/A
 # OF INSTRUCTIONS: 112
 INSTRUCTION TYPES (1): BDEFIM/
 ACCUMULATORS: 16
 INDEX REGISTERS: 16
 I/O COMMUNICATIONS (2): M/
 I/O TRANSFER RATE: .5MB
 PROCESSOR FEATURES (3): CDFVME/
 INTERFACE SLOTS:

SYSTEMS SOFTWARE (*)

- * ASSEMBLER
 - * MACRO ASSEM
 - * DISK MONITOR
 - * REAL TIME MTR CP-V
 - * T/S MONITOR CP-V
 - * BATCH MONITOR CP-V
 - * DATA BASE SIS
- OTHER:

PRICES

COMPUTER: \$450000, 64K
 MEMORY: \$43000, 16K
 SYSTEM: \$522000
 INCLUDES 64K CPU \$23,000; MAG TAPE \$17,000; 225 LPM LINE PRINTER \$24,000; 200 CPM CARD READER \$8,000.

FEATURES (*)

- * UPWARD COMPATIBLE
- * FIELD SERVICE
- * APPLICATION SOFTWARE CONVERSATIONAL LANGUAGES USER MICROPROGRAMMABLE FACTORY MICROPROGRAMMABLE
- * VIRTUAL MEMORY MACHINE
- * MULTIPROCESSOR

PERIPHERALS (Model #, Specs, N/A)

REMOVABLE DISK: 7271
 FIXED HEAD DISK: 720X, 7212, 7232
 FLEXIBLE DISK: N/A
 MAGNETIC TAPE: 73XX
 TAPE CASSETTE: N/A
 LINE PRINTER: 744X, 7450
 SERIAL PRINTER: 701X, 702X
 CARD RD, PN: 712X, 7140, 716X
 PAPER TAPE RD, PN: 7062, 7063
 DISPLAY TERMINAL: N/A
 MULTIPLEXOR: ASYN, SYN
 TERMINALS/SYSTEM:
 OTHER:

SOFTWARE LANGUAGES (*)

- * APLCP-V
 - * ALGOL
 - * SINGLE BASIC
 - * MULTI BASIC
 - * COBOL
 - * FORTRAN
 PL1
 - * RPG CP-V
- OTHER:

MARKETING

MAIN MARKET:
 UNITS SOLD:
 MAINTENANCE:

(1) INSTRUCTIONS:

B = Byte Manipulation
 D = Decimal Arithmetic
 E = Extended Precision
 F = Floating Point
 I = Indirect Addressing
 M = Multiply & Divide
 S = Stack Processing

(2) I/O COMMUNICATIONS:

A = Asynchronous
 B = Bisyynchronous
 D = Direct Memory Access
 M = Multiport Memory
 S = Selectable Line Speeds
 T = Autodial

(3) PROCESSOR FEATURES

B = Base Address Relocation
 C = Real Time Clock
 D = Dynamic Page Relocation
 E = Memory Parity Detect
 F = Power Fail Safe
 K = Memory Parity Correct
 M = Memory Protection
 R = Priority Interrupt
 V = Vectored Interrupt

DISK & DRUM STORAGE

Explanation of Column Headings

Model	The disk device model number.
Disk Type	D = drum F = fixed disk R = removable disk
Head Type	F = fixed head M = moveable head
Character Size	The number of binary digits in a single character in the storage device.
Drive Capacity	The maximum storage capacity per single drive or drum in millions of characters.
Average Access Time	The average time in milliseconds required to make the unit ready to access a specified location on the disk or drum.
Transfer Rate	The speed at which data may be read from the unit in thousands of characters per second exclusive of seek or latency delays.
Maximum Drives per Controller	The maximum number of single drives which may be attached to a single controller and be concurrently operational.
Controller Price	The purchase price of the controller and the equipment necessary to attach the controller to the CPU. If the storage unit is a subsystem containing a controller and one or more drives, the controller price is the subsystem price less the price of the designated number of drives. "NC" indicates there is no charge for the controller in excess of the drive unit price. "RPQ" indicates Request for Price Quotation.
Drive Price	The purchase price of a single drive unit.

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
BASIC FOUR									
2215	FR	-	-	4.2	38	195	3	-	9950
2315	FR	-	-	8.4	38	195	-	-	14500
2324	FR	-	-	10	38	312.5	4	-	14900
BSL NORTHROP									
403	FR	-	-	10	-	-	-	-	-
BURROUGHS									
A/B9480-2 H. SEE B9480-1, NOTE H. J. DUAL DRIVE.	R	M	8	4.67	80	193	4	2700*H	15480*J
A/B9481-2 H. SEE B9480-1, NOTE H. J. DUAL DRIVE.	R	M	8	9.35	80	193	4	3500*H	21600*J
B9370-3 J. CONTROLLER AND DRIVE.	F	F	8	2	17	299	1	-	22335*J
B9371-14 J. FIRST DRIVE. ADDITIONAL DRIVES, \$26,400.	F	F	8	14	40	239	5	9600	36000*J
B9371-18 H. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$16,080. J. FIRST DRIVE. ADDITIONAL DRIVES, \$19,200.	F	F	8	8	20	231	5	10368*H	28800*J
B9371-7 J. FIRST DRIVE. ADDITIONAL DRIVES, \$19,200.	F	F	8	8.1	20	235	5	9600	28800*J
B9372-12 H. SEE B9371-18, NOTE H. J. FIRST DRIVE. ADDITIONAL DRIVES, \$36,000.	F	F	8	10	20	235	5	10368*H	57600*J
B9372-20 J. SEE B9372-12, NOTE J.	F	F	8	10	20	-	5	16800	57600*J
B9373-20 J. SEE B9373-3, NOTE J.	F	F	-	20	23	-	5	16800	95760*J

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
BURROUGHS (CONT.)									
B9373-3	F	F	8	10	23	-	5	10368*H	95760*J
H. SEE B9371-18, NOTE H. J. FIRST DRIVE. ADDITIONAL DRIVES, \$38,880.									
B9373-30	F	F	8	20	40	-	5	16800	66690*J
J. FIRST DRIVE. ADDITIONAL DRIVES, \$24,170.									
B9375-1	F	F	-	100*D	23	-	1	16800	250960
D. ADDITIONAL 40MB, \$38,800.									
B9383-16	R	M	-	348.8	30	625	4	-	109350
B9383-17	R	M	-	348.8	30	625	4	-	177500
B9383-18	R	M	-	174.4	30	625	4	-	305200
B9387	R	M	-	130.4	25	605	2	HC	46000
B9388-2	-	M	-	64.8	42.5	625	2*G	60000*H	83760*J
G. SIXTEEN DRIVES FOR DUAL CHANNEL CONTROLLER. H. SINGLE CHANNEL CONTROLLER. DUAL CHANNEL CONTROLLER, \$105,920. J. DUAL DRIVE.									
B9470	F	F	-	5.5	5	650	2	-	34000
B9480-1	R	M	8	2.34	80	193	2	2700*H	10000
H. CONTROL FOR B1712/1714. CONTROL FOR B1726/1728, \$4,665.									
B9480-12	R	M	-	4.67	80	193	1	675	15790
B9484-3, B9485-3	-	M	8	60.5	42.5	313	16	86400*H	48000*J
H. B9485-3 CONTROL, \$100,800. J. FIRST DUAL DRIVE, B9485-3; \$57,600. ADDITIONAL DUAL DRIVES, \$33,600.									
B9484-4, B9485-4	-	M	8	121	42.5	313	16	86400*H	48000*J
H. B9485-4 CONTROL, \$103,200. CONTROL EXPANSION ADAPTER FOR THREE TO SIXTEEN DRIVES, \$38,400. J. FIRST DUAL DRIVE.									
B9484-5	R	M	-	130.4	25	605	4	36200	31150
B9486-2	R	M	8	47.8	42.5	-	4	45600	46750*J
J. DUAL DRIVE.									
9481-1	R	M	8	4.67	80	193	2	3500*H	13200
H. SEE B9480-1 NOTE H.									

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
CASCADE									
413	PR	-	-	2.5	75	195	-	-	-
414	PR	-	-	5	75	195	-	-	-
CENTURY COMPUTER									
301	PR	-	-	10	-	-	-	3000	75000
313	-	-	-	-	-	-	-	-	5500
CHI									
1105/71	R	M	8	.256	70	-	2	-	6500
1660	R	M	8	20.5	47.5	-	2	8000	10000*J
J. SECOND DRIVE ADAPTER, \$2,000.									
CII									
201/211	F	-	8	.4	10	170	1	NC	-
202/212	F	-	8	.8	10	170	1	NC	-
280	R	-	8	5	50	312	-	-	-
290	R	-	8	50	35	312	4	NC	-
70202	D	F	8	75	30	188	8	-	-
70204	D	F	8	3.0	30	188	8	-	-
70212	-	-	-	-	-	-	-	-	-
70271	-	M	8	5.76	108	156	-	-	-
70272	-	M	8	6.2	55	156	8	-	-
72282	-	M	8	200	57.5	313	1	-	-
CINCINNATI MILACRON									
3037	R	-	-	5	95	195	4	2400	6950

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
COLLINS									
8871A-1	F	PH	8	62	118	160	-	-	-
8871A-2	F	PH	8	124	118	160	-	-	-
8873A-1	D	F	8	4.46	17.7	123	-	-	-
8873A-3	D	F	8	1.11	17.7	123	-	-	-
8873B-2	D	F	8	2.23	17.7	123	-	-	-
8876A	-	-	8	100	-	-	-	-	-
COMPUTER AUTOMATION									
18530-XO	FR	M	-	4.92	47.5	312.5	4	RC	12300
18566-XX DSKTTE	R	-	-	.243	324	31.2	4	RC	2900
22530-XO	FR	M	-	4.92	47.5	312.5	4	-	10200
22566-XX DSKTTE	R	-	-	.243	324	31.2	4	-	2300
COMPUTER COMM.									
8063	F	-	-	4	-	-	-	-	-
8066	R	-	-	20	-	-	-	-	-
863	F	-	-	4	-	-	-	-	-
866	R	-	-	20	-	-	-	-	-
COMPUTER TECHNOLOGY									
1.51	F	-	8	1.0	-	-	-	-	-
1.511/2	-	F	8	.256	8.5	370	2	5243	8272
1.511/3	-	F	8	1.02	8.5	370	2	5243	11767
1.52	R	-	8	5	-	-	-	-	-
1.541	-	F	8	2.0	17.2	149	4	6641	16077

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
COMPUTER TECHNOLOGY (CONT.)									
1.5414	F	F	-	2	-	-	-	-	-
1.542	R	M	8	28	73	156	8	6641*H	22601
H. ADDITIONAL SUBCONTROLLER REQUIRED FOR MORE THAN FOUR DRIVES, \$5,825.									
CONTENT									
6214	R	-	8	-	-	-	-	7500	16000
6224	-	-	8	464	-	-	-	-	36000
7109	F	-	8	16	-	-	-	-	-
CONTROL DATA									
1739-1	FR	M	-	2.2	47	156	1	NC	13500
1751	D	F	8	2.0	16	250	1	NC	31200
1752-1	D	F	-	.197	8	185	1	NC	52000
1752-2	D	F	-	.590	8	185	1	NC	68000
1752-3	D	F	-	1.18	8	185	1	NC	83000
1752-4	D	F	-	1.57	8	185	1	NC	90000
6638	R	M	6	167	94	1680	-	NC	344500
6638	R	M	6	84	94	1680	-	NC	233200
7638	R	M	6	800	97.2	6700	-	NC	400000
819	F	-	6	413	50	6200	4	117000	63000
821-1	R	M	6	419	97	420	8	39220	148400
821-2	R	M	6	838	97	420	4	39220	275600
841	R	M	6	35.8	87.5	420	8	39220	92220*J
J. SMALLEST SYSTEM AVAILABLE (THREE DRIVES AND ONE SPARE).									
844-21	R	M	6	118	38.3	1130	8	94500	29400
844-41	R	M	6	237	30	1080	8	-	-

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
CONTROL DATA (CONT.)									
856-2	R	M	8	4.5	35	312	4	5500	9000
856-4	R	M	8	9.0	35	312	4	5500	12500
865	D	F	6	8.38	17	1000	2	18000	153700
CTL									
8527	FR	M	8	9.8	35	312	4	-	-
8528	FR	M	8	48	35	312	4	-	-
DATA GENERAL									
4047A	R	M	8	2.49	70	180	2	5700	5200
4047A	R	M	8	2.49	70	180	4	6500	5200
4047B	FR	M	8	5.0	70	180	2	5700	8200
4047B	FR	M	8	5.0	70	180	4	6500	8200
4048A	R	M	8	6.24	47.5	156	4	10000	11350
4057A	R	M	8	25	47.5	312	4	10000	12500
4231	R	M	8	92	38.3	806	4	4000	26500
4234	FR	M	8	10	35	312	4	MC	12500
6001	F	F	8	.262	8.4	116	8	3000	5200
6002	F	F	8	.524	8.4	116	8	3000	6750
6003	F	F	8	1.05	8.4	116	8	3000	9250
6004	F	F	8	1.57	8.4	116	8	3000	12560
6030	R	M	8	.63	355	30	4	-	3900*J
J. CONTROLLER AND DUAL DRIVE.									
6031	R	M	8	.32	355	30	4	-	2900*J
J. CONTROLLER AND DRIVE.									
6045	R	M	-	10	-	-	-	-	-
6046	R	M	-	20	-	-	-	-	-

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
DATA GENERAL (CONT.)									
6047	R	M	-	30	-	-	-	-	-
6048	R	M	-	40	-	-	-	-	-
6060	R	M	8	96	43.3	806	4	NC	24950
6061	R	M	8	192	43.3	806	4	-	29950
DATAPOINT									
350	R	M	8	2.49	85	195	4	1300	8500*J
J. SINGLE DISK UNIT. DUAL DISK UNIT, \$12,900.									
9350	R	-	8	2.4	70	1562	4	-	9800
9352	R	-	8	5	70	1562	4	NC	13600
9353	R	-	8	5	70	1562	4	NC	13600
9370	R	-	8	25	35	312	8	NC	19872*J
J. CONTROLLER AND UNIT.									
9381 (DISKETTE)	-	-	8	.256	488	250	1	NC	3800*J
J. EACH ADDITIONAL DRIVE, \$600.									
9385 (DISKETTE)	-	-	8	.256	488	250	4	NC	3800*J
J. EACH ADDITIONAL DRIVE, \$600.									
DATASAB									
2178	-	M	8	27.8	65	312	-	NC	40400*J
J. TO \$55,600. FOUR VERSIONS: SINGLE OR DUAL I/O CHANNELS FOR CONNECTION TO ONE OR TWO CPU'S.									
2187	-	M	8	52	65	312	-	NC	53600*J
J. TO \$59,400. FOUR VERSIONS: SINGLE OR DUAL I/O CHANNELS FOR CONNECTION TO ONE OR TWO CPU'S.									
2188	-	M	8	85	53.5	800	-	NC	51600*J
J. TO \$69,600. FOUR VERSIONS: SINGLE OR DUAL I/O CHANNELS FOR CONNECTION TO ONE OR TWO CPU'S.									
4801	FR	-	8	5	55	-	4	-	-
4802	FR	-	8	10	55	-	4	-	-
5631-41	FR	M	8	8.2	10	312	-	-	-

¹Disk Type: D=Drum F=Fixed disk R=Removable disk

²Head Type: M=Movable head F=Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
DCC									
116417B	-	-	-	-	-	-	-	-	-
116418A	R	M	8	2.4	-	-	8	1800*H	1400
H. FOR UP TO THREE DRIVES. EACH ADDITIONAL THREE DRIVES REQUIRE ADDED ATTACHMENTS, \$650.									
116447A	R	M	8	2.4	70	180	4	3500*H	5900
H. PLUS ADAPTER AND POWER SUPPLY. FOR TWO DRIVES, \$1,375; FOR FOUR DRIVES, \$2,175.									
116447B	FR	M	8	4.8	70	180	4	3500*H	6450
H. PLUS ADAPTER AND POWER SUPPLY FOR ONE DRIVE, \$1,375; FOR TWO DRIVES, \$2,175.									
116447D	FR	-	8	10	-	-	2	3500	6950
116448A	R	M	8	6.14	-	-	4	9500	11350
116452A	R	-	8	40	-	-	8	6700	13300
116452B	R	-	8	80	-	-	8	6700	23775
116457A	R	M	8	24.6	-	-	4	9500	12500
DEC									
DF32	F	F	6	.66	17	30	4	2700	3780
RF08	F	-	-	.393	-	-	-	-	-
RF15	F	-	8	.512	-	-	-	-	-
RHS04	F	-	8	12	-	-	-	-	-
RK03	R	-	8	40	-	-	-	-	-
RK04	-	M	6	3.2	70	257	8	5900	5100
RK05P-FA	F	M	-	5	-	180	4	-*H	6500
H. RK11J-AA 2.5MB CARTRIDGE DRIVE AND CONTROLLER, EXPANDABLE TO 20MB BY ADDING COMBINATIONS OF RK05J'S AND RK05P'S, \$9,900.									
RK05J-AA	R	M	-	2.5	-	180	8	-*H	5100
H. RK11J-AA 2.5MB CARTRIDGE DRIVE AND CONTROLLER, EXPANDABLE TO 20MB BY ADDING COMBINATIONS OF RK05J'S AND RK05P'S, \$9,900.									
RK06-EA	R	M	-	14	-	-	8	-	9500

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
DEC (CONT.)									
RK11	R	-	8	40	70	-	8	-	-
RK11-DE	R	-	-	-	-	-	-	-	-
BK8-EA	R	-	8	2.4	-	-	3	WC	7900
BK8E	R	-	-	-	-	-	-	-	-
RM10	F	F	6	2.07	8.3	1463	4	-	-
RPR02	R	-	8	20.4	47.5	312	8	10525	9975
RP02	R	M	6	30.7	63	405	8	18000	15000
RP03	R	M	8	40	29	267	8	13500	20000
RP04-AA	R	M	8	88	28	806	8	-*H	25900
H. RJP04-AA 88MB DRIVE AND CONTROLLER, EXPANDABLE TO 8 RP DRIVES (RP04/05/06), \$35,000.									
RP05-AA	R	M	-	88	25	806	8	-*H	29000
H. RJP05-AA 88MB DRIVE AND CONTROLLER, EXPANDABLE TO 8 RP DRIVES (RP04/05/06), \$39,000.									
RP06-AA	R	M	-	176	28	806	8	-*H	34900
H. RJP06-AA 176MB DRIVE AND CONTROLLER, EXPANDABLE TO 8 RP DRIVES (RP04/05/06), \$4,400.									
RS03	F	F	8	.512	8.5	1070	8	-*H	9500
H. RJS03-BA 512KB DRIVE AND CONTROLLER EXPANDABLE TO 8 RS03 OR RS04 DRIVES, \$14,900.									
RS04	F	F	8	1.2	8.5	535	-*G	5400	13800
G. RJS04-BA 1024KB DRIVE AND CONTROLLER EXPANDABLE TO 8 RS03 OR RS04 DRIVES, \$19,200.									
RS08	F	F	6	.524	17	125	4	7380	11000
RS09	F	F	6	.786	-	.047*F	8	6000	9000
F. RATES OF .094KB/.188KB ARE SWITCH SELECTABLE.									
RS11	F	F	8	.512	17	125	8	5400	9720
RS64	F	F	8	.128	16	125	4	2645	4680
RX11	R	M	8	.256	483	56	2	-	3045*J
J. RX11-BA DUAL DRIVE, \$4,095.									
RX8	R	M	8	.256	483	56	2	-	-

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
DIABLO									
31	FR	-	-	3	70	98	4	-	-
33	FR	-	-	6	70	196	8	-	-
DIGITAL SCIENTIFIC									
1444-2	R	M	8	1.02	160	72	3	NC	9500
1448-1	R	-	-	-	-	-	-	-	-
1448-2	R	M	8	1.02	70	72	5	NC	11500
EAI									
1271	R	M	8	2.61	35	150	4	6000	6500*J
J. SINGLE DRIVE. DUAL DRIVE, \$9,000.									
1272	FR	M	8	5.23	35	150	4	8500	6500*J
J. SINGLE DRIVE. DUAL DRIVE, \$9,000.									
FEDDER									
CDC9427	FR	-	-	-	-	-	-	-	-
FERBANTI									
MS121	-	F	-	20	-	-	4	4660	74180
MS122	-	F	-	40	-	-	4	4660	11836
MS123	-	F	-	60	-	-	4	4660	162548
MS124	-	F	-	80	-	-	4	4660	206732
MS125	-	F	-	100	-	-	4	4660	250915
MS127	-	F	-	2	-	-	4	4660	14954
MS131	R	M	-	5	-	-	4	4194	10485
MS132	FR	M	-	10	-	-	4	4194	12116

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
FOUR-PHASE									
8230	R	M	-	2.5	60	184	4	1100	9500
8240	R	M	-	50	29	312	4	2500	27000
8250	R	M	-	.293	350	25	1	NC	5100
FOXBORO									
1110	F	-	8	1.536	8.7	-	1	-*H	-*J
H, J. SOLD ONLY WITH SYSTEM.									
1111	F	-	8	.768	8.7	-	1	-*H	-*J
H, J. SOLD ONLY WITH SYSTEM.									
2116	R	-	8	4.99	8.5	246	4	-*H	-*J
H, J. SOLD ONLY WITH SYSTEM.									
2200-2	F	-	8	.992	8.7	-	1	-*H	-*J
H, J. SOLD ONLY WITH SYSTEM.									
2200-3	F	-	8	1.98	8.5	-	1	-*H	-*J
H, J. SOLD ONLY WITH SYSTEM.									
FUJITSU									
F305A	R	-	-	5	-	-	-	-	-
F305C	R	-	-	10	-	-	-	-	-
F306A	R	-	-	2.5	-	-	-	-	-
F3134L/R	D	-	-	.26	-	-	-	-	-
F421A	F	-	-	1	-	-	-	-	-
F422	D	-	-	1	-	-	-	-	-
F462S	R	-	-	5	-	-	-	-	-
F472L-2	R	-	-	116	-	-	-	-	-
F472R-2	R	-	-	94	-	-	-	-	-
F472S	R	-	-	34	-	-	-	-	-
F472S-2	R	-	-	35	-	-	-	-	-

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
FUJITSU (CONT.)									
F477A	R	-	-	100	-	-	-	-	-
F478A2/B2	R	-	-	200	-	-	-	-	-
F479B2	-	-	-	400	-	-	-	-	-
F622I	D	-	-	6	-	-	-	-	-
F628K	D	F	-	1.0	-	-	-	-	-
F626R	D	F	-	1.0	-	-	-	-	-
F6625A	D	-	-	15	-	-	-	-	-
461B/L	-	M	9	5.12	100	139	-	-	-
461B/L	-	M	9	7.25	100	139	-	-	-
462K	-	M	8	7.25	90	156	-	-	-
462K-1	-	M	8	5.04	86.3	156	-	-	-
463K	-	M	8	.128	16.5	73.7	-	-	-
472K	-	M	8	233	82.5	260	-	-	-
622D	D	F	9	.131	10	25	-	-	-
623A	D	F	9	.262	20	27	-	-	-
624A	D	F	9	.210	20	100	-	-	-
624B/K	D	F	9	2.10	17	120	-	-	-
624B/K	D	F	9	2.56	17	120	-	-	-
627A	D	F	9	.524	10	125	-	-	-
628K	-	F	8	.26	4.2	270	-	-	-
628L	-	F	8	.52	4.2	270	-	-	-
628R	D	F	8	1.05	4.2	270	-	-	-
631A	-	M	9	33.6	150	56	-	-	-
631B	-	M	9	67.1	150	110	-	-	-
631C	-	M	9	134	130	110	-	-	-

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²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
GENERAL AUTOMATION									
1341	R	M	8	5.12	45	124	4	6000	13500
1343	R	M	8	20	47.5	200	4	9000	15500
1348	R	M	8	1.02	60	72	4	4500	7100
3341	R	M	8	6.4	45	312	4	6000	13500
3342-1246	F	F	8	.256	8.5	250	-	3000	5000
3342-1246	F	F	8	.512	8.5	250	-	3000	6300
3343-1000	R	M	8	25.6	45	624	4	9000	15500
3346	-	FM	8	5.0	60	3177	4	4000	7000
3347	R	M	8	2.50	60	-	-	4000	5000
3349	R	M	8	.164	20	31	4	2500	1250
GRI									
9102	F	F	-	2.5	-	-	-	3850	4550
9103	-	-	-	2.5	-	-	-	3860	6700
9104	-	-	-	5.3	-	-	-	4528	7750
9105	-	-	8	10.6	35	312.5	4	MC	13403
HARRIS									
5102	-	M	-	28	44.5	313	8	10500	17000
5104	-	M	-	56	44.5	313	8	11000	21000
5120	-	M	-	28	-	-	-	7500	22500
5130	-	-	-	56	-	-	-	9000	28500
5202	-	M	-	2.7	35	300	4	2900	7000
5208	-	M	-	10.8	35	300	4	4200	8700

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HARRIS (CONT.)									
5230A	R	-	-	2.7	35	2500	-	2900	8000
5240A	FR	-	-	5.4	35	2500	-	3000	8500
5260A	FR	-	-	10.8	35	2500	-	3900	9000
5400	-	-	-	-	-	-	-	-	-
5404	F	F	-	.107	17	500	2	5850	5800
5406	F	F	-	.215	17	500	2	5850	6600
5408	F	F	-	.430	17	500	2	5850	8700
5410	F	F	-	.860	17	500	2	5850	14000
5413	F	F	-	2.16	17	500	2	5850	20100
5415	F	F	-	4.30	17	500	2	5850	28000
5420	F	F	-	.430	-	-	-	4500	11000
5430	F	F	-	.537	-	-	-	4500	13000
5440	-	-	-	.860	-	-	-	4500	15500
5450	F	F	-	1.075	-	-	-	4500	18500
5460	-	-	-	.172	-	-	-	4500	22000
5470	-	-	-	.215	-	-	-	4500	26000
5500	R	M	-	40	30	1200	2	11000	17100
5510	R	M	-	40	38	80	4	11000	17500
5530	-	-	-	80	-	-	-	11000	22500
HEWLETT PACKARD									
12960A	FR	M	8	5	47.5	1.96	4	2025	9975
12961A	R	M	8	2.4	47.5	312	-	6025	5775
12962A	FR	-	8	15	33.68	7.5	8	5025	9975

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²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HEWLETT PACKARD (CONT.)									
12965A	R	M	8	23	32	312	4	-	-
12965A	R	M	8	23.4	32	-	2	-	-
2766 J. CONTROLLER PLUS DRIVE.	F	F	8	.524	8.7	236	-	HC	27500*J
FOR 256K EXPANSION UNIT.									
2766 J. CONTROLLER PLUS DRIVE.	F	F	8	1.05	8.7	236	-	HC	32000*J
FOR 256K EXPANSION UNIT.									
2766 J. CONTROLLER PLUS DRIVE.	F	F	8	1.57	8.7	236	-	HC	36500*J
FOR 256K EXPANSION UNIT.									
2766 J. CONTROLLER PLUS DRIVE.	F	F	8	2.10	8.7	236	-	HC	41000*J
FOR 256K EXPANSION UNIT.									
2883	R	M	8	23.4	32	236	2	10500	18000
30102A	R	M	-	47	41.5	312	8	12000	20000
30103A	F	F	-	2	8.5	485	-	HC	42000
30103A	-	-	-	4	8.5	485	-	HC	53000
30110A	-	M	-	4.9	47.5	246	4	5025	6975
30129A	R	-	-	14.75	-	-	-	6025	8975
30329A	R	-	8	-	-	-	-	-	9975
7900A	FR	M	8	4.9	30	312.5	4	-	-
7905A	FR	M	8	14.8	25	937.5	8	-	-
HITACHI									
A-411-11	R	-	16	4.9	47.5	312.4	4	-	-
A-411-12	R	-	16	9.8	47.5	312.4	4	-	-
A-421-S	R	M	16	4.9	87.5	312	1	HC	9080
A-422	R	M	16	9.8	87.5	312	1	HC	12760

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HITACHI (CONT.)									
A-424	R	-	16	4.9	47.5	312	1	-	-
A-425	R	-	16	9.8	47.5	312	1	-	-
A-442-11	F	-	16	.196	10	312	4	-	-
A-442-12	F	-	16	.392	10	312	4	-	-
A-453-10	F	-	16	.64	10	312	-	-	-
A-453-11	F	-	16	.13	10	312	-	-	-
A-453-12	F	-	16	.262	10	312	-	-	-
A-461 DISKETTE	R	-	16	.484	431	31.4	1	.	.
H-7540	F	F	8	-	-	-	-	-	-
H-7541	F	F	8	-	-	-	-	-	-
H-7542	F	F	8	-	-	-	-	-	-
H-7543	F	F	8	-	-	-	-	-	-
H-7570	F	F	8	-	-	-	-	-	-
H-8572-1	R	-	8	15	-	-	-	-	-
H-8578	R	M	8	29.2*D	90	312	-	-	-
D. ONE SPINDLE. TWO OR EIGHT SPINDLE UNITS AVAILABLE.									
H-8586	R	-	8	70	-	-	-	-	-
H-8589-1	R	-	8	100	-	-	-	-	-
H-8589-11	R	-	8	200	-	-	-	-	-
8564	-	M	8	7.25	92.5	156	-	NC	26920
8564/11,8564/21	-	M	8	5.12	92.5	156	-	NC	26920
8564/12	-	M	8	2.56	72.5	156	-	NC	19480
8566	-	F	8	1.56	8.6	210	-	NC	117000
8567	-	F	8	4.5	10	281	-	NC	64400

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HOKUSHI									
FD2508	F	F	8	.128	10	123	-	-	-
FD2513	F	F	8	2.04	10	123	-	-	-
LMD01	D	F	16	.066	8.4	124	8	11700	10000
LMD02	D	F	16	.52	8.4	124	8	13000	17000
LMK01	F	-	16	.13	16.9	125	4	5400	10000
LMK04	R	-	16	2.5	170	182	4	9500	6500
31	-	F	8	.132	20	102	-	-	-
HONEYWELL									
CDU-9101	R	-	-	2.5	35	312	4	2800	5700
CDU-9102	FR	-	-	5	35	312	4	2800	7800
CDU-9103	R	-	-	5	35	312	4	2800	7400
CDU-9104	FR	-	-	10	35	312	4	2800	8500
DSS100	-	-	-	-	-	-	-	-	-
DSS167	R	-	-	30	-	-	-	51100	29700
DSS170	R	-	-	220	-	-	-	NC	264100
DSS180, 181B G. THREE DRIVE MINIMUM CONFIGURATION.	R	M	-	27.6	-	-	-*G	35244	18612
DSS181 G. THREE DRIVES MINIMUM CONFIGURATION.	R	-	-	27.6	-	-	-*G	NC	18612
DSS190, 190B G. DUAL DRIVE MINIMUM CONFIGURATION.	R	-	-	118	-	-	-*G	95040	25740
DSV160	-	-	-	7.68	-	-	8	24800	15780
MSP0601	-	-	-	-	-	-	-	-	61885
MSS1500	-	-	-	3.456	-	-	-	-	25730

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HONEYWELL (CONT.)									
HS00112	FR	-	-	11.6	52.5	312	-	-	11220
HS00113	FR	-	-	5.8	52.5	312	-	-	9720
HS00116	FR	-	-	11.6	52.5	312	-	-	15710
HS00130	-	H	-	2.98	-	-	5	13055	10705
HS00155	-	-	-	3.6	-	-	2	-	-
HS00310	R	H	-	29.2	50.5	312	4	-	13040
HS00330	R	H	-	80	38.3	1200	4	-	15700
HS00400	R	H	-	100	-	-	14	-	21900
HS00402	-	-	-	78	-	-	-	-	21900
HS00450	R	H	-	235	-	-	-	-	37600
HS00451	-	-	-	200	-	-	-	-	31820
RP-4510-14	-	F	8	.128	-	-	1	NC	9825
155	-	-	-	3.6	-	-	-	11700	14910
161	R	H	6	7.7	77.5	208	8	26730	15780*J
J. SINGLE DRIVE. MINIMUM SYSTEM HAS DUAL DRIVE.									
163	-	-	-	7.68	-	-	4	24800	13650
164	R	H	6	5.7*C	87.5	208	8	NC	29280*J
C. BASIC DUAL DRIVE SYSTEM. EXPANSION UNIT (\$6,000) DOUBLES CAPACITY. J. DUAL DRIVE. ADDITIONAL 11.4KB DUAL DRIVE, \$28,600.									
170-2	H	-	-	4.6	138	148	2*G	10375	11835
G. ALSO MINIMUM NUMBER OF DRIVES.									
171	-	H	-	4.6	97.5	148	4	-*H	12875
H. CONTROL INTEGRATED IN CPU OR STAND-ALONE DEPENDING ON PROCESSOR.									
172	-	H	-	9.2	62.5	208	-	NC	21220
173-2	-	H	-	9.2	153	148	4*G	14580	14585
G. DUAL DRIVE MINIMUM CONFIGURATION.									

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HONEYWELL (CONT.)									
204	-	-	-	5.9*D	-	-	-	11000	16800
D. ADDITIONAL 5.9KB, \$3,200; 11.8KB, \$6,400.									
258	-	M	-	4.6	77.5	208	8	24925	17100
258B	-	M	-	4.6	82.5	148	8	24925	17100
259, 259A, 259B	-	M	-	9.2	92.5	208	8	24925	24000
270	-	F	6	15.3	-	-	-	45000	26000
270-1	D	F	-	2.6	-	-	-	NC	41625
270-2	D	F	-	5.2	-	-	-	NC	70425
270-3	D	F	-	7.8	-	-	-	NC	99225
270-3	D	F	-	7.8	-	-	-	NC	119400
270A-1	D	F	-	2.6	-	-	-	NC	50070
270A-2	D	F	-	5.2	-	-	-	NC	84630
273	-	M	-	18.4	62.5	208	8	24925	34650
274	-	M	-	18.4	62.5	208	8	NC	176400*J
J. CONTRCL PLUS EIGHT DRIVES AND ONE SPARE.									
275	-	M	-	18.4	69.5	208	8*G	16000	16000
G. DUAL DRIVE MINIMUM CONFIGURATION.									
275-2	-	-	-	36.8	-	-	-	-	48000
276	-	M	-	37.4	75	208	8*G	21120	23040
G. DUAL DRIVE MINIMUM CONFIGURATION.									
276-2	-	-	-	74.8	-	-	-	-	67200
277	-	M	-	64	46.5	-	8*G	36160	24930
G. DUAL DRIVE MINIMUM CONFIGURATION.									
277-2	-	-	-	128	-	-	-	-	86020
277-3	-	-	-	192	-	-	-	-	110950

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HONEYWELL (CONT.)									
278 J. CONTROL PLUS FIVE DRIVE MINIMUM CONFIGURATION. DUAL SPINDLE EXPANSION \$20,000.	-	M	-	35	62.5	416	9	HC	80000*J
279-2 G. DUAL DRIVE MINIMUM CONFIGURATION.	-	M	6	252	38.3	-	8*G	75600	28600
3344-B2F	-	F	8	278	-	885	-	2	65000
4320 J. DRUM PLUS CONTROLLER, 64KB DRUM EXPANSION, \$3,150; 25KB, \$5,250.	D	F	8	.064	-	-	1	HC	12000*J
4511	-	F	8	.256	-	-	1	HC	14830
4512	-	F	8	.512	-	-	1	HC	16600
4513	-	F	8	1.02	-	-	4	8070	27780
4650 J. ADDITIONAL DISK PACK DRIVE (30.2KB), \$14,700.	R	M	8	1.51	100	110	-	HC	19100*J
4651	R	M	8	30.2	-	-	-	10080	14700
4710 J. EXPANSION FROM 2.2MB TO 3.6MB, \$5,778; FROM 3.6MB TO 7.4MB, \$6,206.	R	M	8	2.2	-	78	-	HC	19260*J
4720	-	M	8	15	-	78	4	6300	38306
4740	R	-	-	3.6	-	-	4	2659	13391
4741	R	-	-	2.2	-	-	4	2605	10786
4742	R	-	-	7.4	-	-	4	4280	17120
4743	R	-	-	15	-	-	4	8560	22870
4763	R	-	-	1.25	-	-	4	4200	5700
4764	FR	-	-	2.5	-	-	4	4200	7800
4767	FR	-	-	2.5	-	-	4	4200	7400
4768	FR	-	-	5	-	-	4	4200	9800
4780	-	-	-	7.4	-	-	-	-	16500

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
HONEYWELL (CONT.)									
4781	-	-	-	15	-	-	-	-	18000
4785	-	-	-	15	-	-	-	-	14500
58	R	M	8	3.5	-	156	-	HC	27790*J
J. ADDITIONAL 2.3HB DISK STORAGE, \$3,605; 5.76HB, \$6,120.									
700-4515, 4525	-	F	-	2	-	-	3	RPQ	RPQ
700-4516, 4526	-	F	-	4	-	-	3	RPQ	RPQ
700-4722	R	M	-	15	-	-	8	-	-
80	-	F	-	.065	-	-	8	RPQ	RPQ
85	-	M	-	1.2	-	-	4	RPQ	RPQ
IBM									
RX11-AA DSKETTE	R	M	8	.256	483	56	2	-	3045*J
J. RX11BA DUAL DRIVE, \$4,095.									
1311-2	-	-	8	-	-	-	-	-	17280
1810-A1	R	M	8	1.024	520	-	1	HC	9580
1810-A2	R	M	8	1.024	520	-	2	HC	15200*J
J. DUAL DRIVE.									
1810-A3	R	M	8	1.024	520	-	3	HC	20820*J
J. TRIPLE DRIVE.									
1810-B1	R	M	8	1.024	70	-	1	HC	19950
1810-B2	R	M	8	1.024	70	-	2	HC	29890*J
J. DUAL DRIVE.									
1810-B3	R	M	8	1.024	70	-	3	HC	39830*J
J. TRIPLE DRIVE.									
2301	D	F	8	4.09	8.6	-	4	97100	88950
2303	D	F	8	3.91	8.6	304	2	23530*H	98870
H. ATTACHMENT REQUIRED FOR INTERFACING TWO 2303'S TO CONTROL, \$16,630.									
2305-1	-	F	8	5.4	2.5	-	2	24496	16510

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
IBM (CONT.)									
2305-2	-	F	8	11.2	5.0	-	2	109800	142200
2310-B1	R	M	8	1.024	520	72	2	3072	8165
2310-B2 J. DUAL DRIVE.	R	M	8	1.024	520	72	4	3072	13130*J
2311-1	R	M	8	7.25	75	156	8	24460	16510
2311-11	R	M	8	5.4	75	156	8	24460	16510
2311-12	R	M	8	2.7	60	156	8	24460	14430
2312-A1	R	M	8	29.2	60	312	8	63810	22920
2313-A1 J. QUADRUPLER DRIVE.	R	M	8	58.4	60	312	2	63810	75290*J
2318-A1 J. DUAL DRIVE.	R	M	8	116.7	60	312	4	63810	37430*J
2319-B1 J. TRIPLE DRIVE.	R	M	8	29	60	312	8	63810	35100*J
2319-B2 H. A CONTROLLER AND A 2319-B1 REQUIRED. J. TRIPLE DRIVE.	R	M	8	29	60	312	8	98910*H	35100*J
2321	R	M	8	400	508	55	1	29565	122300
3330-1 J. DUAL DRIVE.	R	M	8	100	30	806	8	97700	47610*J
3330-11 H. CONTROL PLUS DUAL DRIVE. J. DUAL DRIVE.	R	M	8	200	30	806	8	66300*H	67860*J
3330-2	R	M	8	100	30	806	4	97700	28440
3333-1 J. DUAL DRIVE PLUS CONTROL FOR THREE MODEL 3330 UNITS.	R	M	8	100	60	312	8	NC	59670*J
3333-11 J. SEE 3333-1, NOTE J.	R	M	8	200	30	806	8	NC	79830*J
3340-A2 J. DUAL DRIVE.	R	M	8	69.9	35	885	8	NC	40400*J

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
IBM (CONT.)									
3340-B1	R	M	8	69.9	35	885	8	40400*H	21000
H. A 3340-A2 IS A PREREQUISITE.									
3340-B2	R	M	8	69.9	35	885	8	40400*H	29600*J
H. A 3340-A2 IS A PREREQUISITE. J. DUAL DRIVE.									
3344-B2	F	M	8	279.6	35	885	8	40400*H	49500*J
H. A 3340-A2 IS A PREREQUISITE. J. DUAL DRIVE.									
3344-B2F	F	FM	8	279.6*C	35*D	885	8	40400	65000*J
C. 1MB FIXED HEAD CAPACITY PER DRIVE. D. FIXED HEAD AVERAGE ACCESS TIME: 8.4MS. J. DUAL DRIVE.									
3350	F	F	8	317.5	25	1198	2	-	62500
3350-A2	F	M	8	317.5	35	1198	8	NC	62500*J
J. DUAL DRIVE.									
3350-A2F	F	FM	8	317.5*C	35*D	1198	8	NC	78000*J
C. 1.1MB FIXED HEAD CAPACITY PER DRIVE. D. FIXED HEAD AVERAGE ACCESS TIME: 8.4MS. J. DUAL DRIVE.									
3350-B2	F	M	8	317.5	35	1198	8	62500*H	49500*J
H. A 3350-A2 IS A PREREQUISITE. J. DUAL DRIVE.									
3350-B2F	F	MF	8	317.5*C	35*D	1198	8	62500	65000*J
C. 1.1MB FIXED HEAD CAPACITY PER DRIVE. D. FIXED HEAD AVERAGE ACCESS TIME: 8.4MS. J. DUAL DRIVE.									
3350-C2	F	M	8	317.5	35	1198	8	NC	64650*J
J. DUAL DRIVE.									
3350-C2F	F	MF	8	317.5*C	35*D	1198	8	NC	80150*J
C. 1.1MB FIXED HEAD CAPACITY PER DRIVE. D. FIXED HEAD AVERAGE ACCESS TIME: 8.4MS. J. DUAL DRIVE.									
4710	R	M	8	2.2	-	-	-	2650	18000*J
J. EXPANSION FROM 2.2KB TO 3.6KB, \$5,400; FROM 3.6KB TO 7.4KB, \$5,800.									
4720	R	M	8	15	-	-	4	8950	29500

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
IBM (CONT.)									
4740	R	M	8	2.2	-	-	4	5085	10080
4741	R	M	8	3.6	-	-	4	5135	12515
4742	R	M	8	7.4	-	-	4	6650	16000
4743	R	M	8	15	-	-	4	10650	21000
4962	F	M	8	9.3	40	-	-	-	6895
5022-1	FR	M	8	4.91	269	199	-	NC	12850
5022-2	F	M	8	4.91	126	199	-	NC	14040
5022-3	FR	M	8	2.46	269	199	-	NC	11490
5022-4	F	M	8	2.46	269	199	-	NC	12590
5444-A1	FR	M	8	2.45	86	199	1	NC	6595
5444-A2	FR	M	8	4.90	126	199	2	NC	7810
5444-A3	FR	M	8	2.45	126	199	1	NC	6595
5444-1	FR	M	8	2.45	153	199	1	NC	6335
5444-1, -3	FR	M	8	2.45	153	199	2	-*R	7410*J
H. DEPENDENT ON CPU.									
J. ADDITIONAL DRIVES REQUIRE SPECIAL ATTACHMENTS.									
5444-2	FR	M	8	5.90	269	199	2	NC	7515
5444-3	FR	M	8	2.45	269	199	1	NC	8300
5445-1	R	M	8	20.48	60	312	4*F	NC	11570*J
F. DEPENDENT ON CPU.									
J. ATTACHMENT PRICES DEPEND ON CPU.									
5445-2	R	M	8	20.48	60	312	4*F	NC	11070*J
F. DEPENDENT ON CPU.									
J. MUST BE ATTACHED TO A 5445-1.									
5445-3	R	M	8	40.96	60	312	4*F	NC	22700*J
F. DEPENDENT ON CPU.									
J. ATTACHMENT PRICES DEPEND ON CPU. DUAL DRIVE.									

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
IBM (COM1.)									
5447-A1	FR	M	8	4.90	126	199	1	NC	10270
5447-A2 J. DUAL DRIVE.	FR	M	8	4.90	126	199	1	NC	14190*J
5448-A1 H. REQUIRES 5444	F	M	8	9.80	126	199	1	-*H	7845
DISK DRIVE.									
ICL									
PHD-6	F	-	6	-	-	2800	4	-	-
03	-	-	-	30	47.5	416	-	-	-
100	-	-	-	100	38.3	-	-	-	-
1962	D	F	6	.131	10	50	4	-	-
1963	D	F	6	.524	10	100	4	-	-
1964	D	F	6	2.1	20	100	4	-	-
200	-	-	-	200	38.3	806	-	-	-
2801	R	M	6	4.09	97.5	208	4	-	-
2802	R	M	6	8.19	97.5	208	8	-	-
2805,1806	-	F	6	101	176	150	14	-	-
2805,1806	-	F	6	218	178	150	14	-	-
2805,1806	-	F	6	419.4	178	150	14	-	-
2813	-	M	6.	30.7	72.5	416	9	-	-
2815	R	M	6	61.5	47.5	416	4	-	-
2820	-	M	6	1.6	178	208	4	-	-
2821	-	M	6	3.2	178	208	4	-	-
2822/1	FR	-	-	9.8	-	-	-	-	-

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
ICL (CONT.)									
2822/2	FR	-	-	9.8	52.5	416	-	-	-
2822/3	R	-	-	29.8	52.5	416	-	-	-
2851/1	D	F	-	2.09	6.3	-	8	-	-
2851/2	D	F	-	2.09	6.3	1400	8	-	-
2851/4	D	F	-	2.09	6.3	350	8	-	-
4260	-	M	6	4.1	213	208	-	-	-
4425	-	M	8	5.75	93	156	-	-	-
4430	-	F	8	2	20	820	-	-	-
4440	-	M	8	600	85	550	-	-	-
4441	-	M	8	300	85	550	-	-	-
4442	-	M	8	600	85	275	-	-	-
4443	-	M	8	300	85	275	-	-	-
60	-	-	-	500	-	416	-	-	-
INTERDATA									
MSH300	R	-	-	300	30	1200	4	MC	52000
MSH80	R	-	-	80	30	1200	4	MC	25000
M46-410, 414	R	M	8	2.5	70	195	4	4500*H	5500
H. EXPANSION BEYOND ONE DRIVE REQUIRES A DISK INTERFACE (\$4,000), AND ADDITIONAL POWER SUPPLIED (\$500 EACH) FOR THIRD AND FOURTH DRIVES.									
M46-416, 417	R	M	8	10	38	310	4	4000*H	8000
H. ADDITIONAL POWER SUPPLIES (\$500 EACH) REQUIRED FOR THIRD AND FOURTH DRIVES.									
M46-429, 430	R	M	8	40	35	310	4	7000	17950

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
LOCKHEED									
1242	R	-	-	-	-	-	-	-	-
1253	R	-	-	-	-	-	-	-	-
6750	FR	M	8	5.0	80	199	4	-	5500
6757	R	-	-	-	-	-	-	-	-
HCM									
FD10	R	-	-	.25	-	-	-	-	-
FD20	R	-	-	.5	-	-	-	-	-
MICRODATA									
2854	R	M	8	5	35	200	4	3300	5325
2856	R	M	8	10	35	200	4	3300	6025
2861	R	M	8	5	-	-	4	3300	5025
2863	R	M	8	10	-	-	4	3300	5725
3854	FR	M	8	5	35	200	4	4275	5025
3856	FR	M	8	10	35	200	4	4275	5725
3861	FR	M	8	5	35	200	4	HC	5025
3863	FR	M	8	10	35	200	4	HC	5725
9100	R	M	10	2.5	35	312	4	-	3400
9101	R	M	10	5	35	312	4	-	3800
9200	FR	M	10	5	35	312	4	-	3700
9201	FR	M	10	10	35	312	4	-	4100

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DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
MODCOMP									
4103	F	F	-	.262	8.7	265	1	NC	15000
4104	F	F	-	.524	8.7	265	1	NC	19000
4106	F	F	-	1.05	8.7	265	1	NC	38000
4126	R	M	-	1.30	90	97.8	4	4000	7000
4128	R	M	-	2.6	90	97.8	2	4000	10000
4132	R	M	-	12.3	47.5	156	4	5000	18000
4134	R	M	-	24.6	47.5	156	4	5000	23000
WABODATA									
W9750	R	M	8	12.3	35	312.5	4	6447	8940
W9755	R	M	8	61.7	35	312.5	4	6447	12160
WCR									
655-101	R	M	8	4.2	65.5	108	4	14000	26500
655-102	-	-	8	8.4	-	108	-	14000	28750
655-151	-	-	8	8.4	-	108	-	14000	-
655-152	-	-	8	8.4	-	108	-	14000	26500
655-201	-	-	8	8.2	-	108	-	14000	26500
656	FR	M	8	4.9	47.5	313	2	6750	13020
656-102	F	F	8	4.9	-	-	-	-	9195
656-311	FR	-	-	4.9	-	-	-	-	9500
656-321	-	-	8	9.8	-	-	-	-	14000
656-331	R	-	8	4.9	-	-	-	-	9800
657-101	R	M	8	30	72.5	315	-	40250	26450
657-101	R	M	8	48	72.5	315	-	49450	26450

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²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
MCR (CONT.)									
657-102	R	M	8	60	72.5	315	3	40250	41400*J
J. FIRST DUAL SPINDLE UNIT. SECOND UNIT \$32,300; THIRD UNIT, \$27,600.									
657-102	R	M	6	96	72.5	500	3	49450	41400*J
J. FIRST DUAL SPINDLE UNIT. SECOND UNIT \$32,300; THIRD UNIT, \$27,600.									
658-201	-	-	8	200	-	806	-	-	-
NIPPON									
C4470N	D	F	-	-	-	131	-	-	-
C4520	F	-	-	-	-	-	-	-	-
C4620	R	-	-	-	-	-	-	-	-
C4670N	-	-	-	-	-	3000	-	-	-
ND450	-	-	8	.064	10	416	-	-	-
ND470	R	-	8	2.8	70	195	-	-	-
N7710	-	M	8	2.45	36.3	312	-	-	10560
N7711	-	M	8	4.9	36.3	312	-	-	13760
N7711	-	M	8	5.8	40.3	312	-	-	14680
N7715	-	M	8	11.6	40.3	312	-	-	15360
N7731	-	M	8	29.1	38.8	312	-	-	17360
N7735	-	M	8	58.2	38.8	312	-	-	20680
N7741	-	M	8	100	36.7	806	-	-	24680
N7745	-	M	8	200	36.7	806	-	-	38680
N7790	-	F	8	.262	8.3	313	-	-	7600
N7790-01	-	F	8	.262	100	260	-	-	6680
WIXDORF									
622	R	-	8	2.8	55	144	-	-	-

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
OKI									
474A	F	-	-	1	-	-	-	-	-
784A	R	-	-	10	-	-	-	-	-
784B	R	-	-	5	-	-	-	-	-
786AA	R	-	-	10	-	-	-	-	-
787AA	R	-	-	64	-	-	-	-	-
OLIVETTI									
DAS 6000	F	-	-	-	-	-	-	-	-
DCU 720X	R	-	-	-	-	-	-	-	-
OMNUS									
DS100	R	-	-	-	-	-	-	-	-
BS25	R	-	-	-	-	-	-	-	-
PHILIPS									
P824-001	R	M	8	2.7	42.5	312	-	5826	-
P824-002	PR	M	8	6.2	42.5	312	2	5826	9034
PHILLIPS									
P3431 DISKETTE	-	-	-	.256	260	-	4	-	-
PRIME									
4103	F	F	8	.270	8.7	407	2	3500	8000
4105	F	F	8	.540	8.7	407	2	3500	10000
4121	R	M	8	3.0	47.5	313	4	3500	7500

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
PRIME (CONT.)									
4123	R	B	8	6.0	47.5	250	4	3500	9500
4127	R	M	8	12.0	47.5	250	4	3500	11500
4131	R	-	-	-	-	-	-	-	-
4133	R	-	-	60	47.5	312.5	4	5000	20000
4241	R	-	-	80	38.8	1200	4	WC	22000
4243	R	-	-	300	38.3	1200	4	WC	41000
4306	R	M	8	.121	583	313	2	WC	4700*J
J. CONTROLLER PLUS DUAL DRIVE UNIT.									
QANTEL									
3001	PR	M	-	6	55	-	-	-	-
3101	PR	B	-	12	55	-	-	-	3900
3102	PR	M	8	12	47.5	-	-	-	13950
3201	PR	M	8	30.7	35	-	-	-	19750
RAYTHEON									
51802	F	F	8	.77	16.7	377	4	5000	6000
51804	F	F	8	.77	8.33	377	4	5000	6625
51902	R	M	8	2.56	90	195	4	6000	5000
51903	PR	M	8	5.12	90	195	4	6000	7500
51952	R	M	8	26	44.5	313	4	10000	13000
51956	R	M	8	52	41.5	333	4	10000	18000
7440X	F	-	-	-	-	-	-	-	-
74402	F	F	8	.77	-	286	4	5000	9800

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
RAYTHEON (CONT.)									
74412	R	H	8	2.56	90	160	4	8500	5000
74412A	FR	H	8	5.12	90	160	4	8500	7625
74423	R	H	8	26	44.5	256	4	12500	13325
74424	R	H	8	52	44.5	256	4	12500	18325
ROLM									
3340	F	F	8	.512	-	250	-	NC	15000
3341	R	H	8	5	35	-	-	NC	15200
3342	F	F	8	2	17	240	-	NC	56400
SIEMENS									
2165-1	R	-	-	7.55	-	-	-	-	-
2166	R	-	-	7.55	-	-	-	-	-
3941	FR	H	8	19.2	47.5	248	4	-	-
3942	R	-	-	50	-	-	-	-	-
3943	-	H	8	.3	584	30	-	-	-
3945	D	F	8	8	10.5	410	4	-	-
4578	R	H	8	58.3	60	312	-	-	-
4579	R	H	8	29.2	60	312	-	NC	18800
4580	R	H	8	110	60	312	-	-	-
4581	R	H	8	54.8	60	312	-	NC	21600
564	-	H	8	7.25	100	156	-	NC	25200
567	-	F	8	4.13	20.3	277	-	NC	132000

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
SIEMENS (CONT.)									
567	-	F	8	8.26	20.3	277	-	NC	264000
567-16	F	-	-	6.5	-	-	-	-	-
567-8	F	-	-	3.2	-	-	-	-	-
580	-	M	-	100	38.4	806	8	-	-
594	R	M	8	29.2	850	312	-	NC	20000
SINGER									
40	R	M	6	10	85.5	229	10	3401	14500
42	R	M	-	8	85.5	229	10	3401	15500
44	R	M	6	40	85.5	229	10	3401	35000
SYSTEMS ENG. LAB.									
4415	-	M	8	2.4	35	312	4	-	-
6412	R	M	-	24	44.5	312	1	NC	40000
6423	F	F	-	2.0	8.6	260	-	-	-
6431	F	F	-	3	16.7	388	1	8000	25000
6432	F	F	-	6	16.7	388	1	8000	25000
6450	-	M	-	100	35.3	736	8	-	-
9306	FR	-	-	5	35	312	4	-	-
9308	FR	-	-	10	35	312	4	-	-
9320	-	M	-	80	30	1200	4	-	-
9321	-	M	-	40	30	1200	4	-	-
9335	F	-	-	1	-	-	-	-	-
9336	F	-	-	2	-	-	-	-	-

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
TELEFUNKEN									
PSP300	-	H	8	15.7	165	586	-	-	-
PSP600	-	H	8	31.4	165	586	-	-	-
TSP300	-	F	8	2	17	291	-	-	-
TSP500	-	F	8	7.8	20	979	-	-	-
WSP414	-	H	8	24.5	62.5	312	-	-	-
WSP430	-	H	8	82.5	41	806	-	-	-
TEXAS INSTRUMENTS									
955157	R	-	-	1.14	70	1560	4	3300	6000
955158	R	-	-	2.28	70	1560	2	3300	9000
961751	F	-	-	.229	8.7	220	-	3100	6950
961754	F	-	-	.688	8.7	220	-	3100	28400
TOSHIBA									
HDZ3020A	-	F	6	.25	-	34.5	-	-	-
HDZ4001A	-	F	8	175	-	187	-	WC	436000
UNIVAC									
FH1782	D	F	6	10.5	17	1200	8	124950	146064
FH432	D	F	6	1.31	4.3	1200	8	124950	52848
FH880	-	F	6	4.7	17	360	-	58800	85165
FRII	D	H	-	22	92	153	8	34850	78750
FRIII	D	H	-	33	92	230	8	42467	96916
8405	F	F	8	6.2	8.3	622	8	57600	76800

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
UNIVAC (CONT.)									
8410	R	M	-	1.6	135	-	8	16790	9840*J
J. FIRST DRIVE. ADDITIONAL DRIVES, \$7,500.									
8411	R	M	-	7.25	87.5	156	8	23904	21552
8414	R	M	-	29.2	60	312	8	28560	21312
8416	R	-	-	-	-	-	-	-	11520
8418-92/93	R	-	-	28.9	27	625	8	12000	14880
8418-94/95	R	-	-	57.9	33	625	8	12000	22080
8424	R	M	8	58	20.5	-	8	50763	35280
8425	R	M	8	58	30	312	8	57072	21216
8430	R	M	8	100	27	806	16	44064	24960
8433	R	M	8	200	30	806	16	57600	36480
8434	F	M	8	307	30	1260	16	10200	66600
8440	R	M	8	120	30	828	4*G	92544	32832
G. AUXILIARY CONTROLS ALLOW UP TO 116 DRIVES TO BE CONNECTED TO STANDARD CONTROL									
8519	R	-	-	29.2	60	312	8	-	-
8560	D	F	8	2.1	8.6	333	1	NC	105000
8560	D	F	8	3.3	8.6	333	1	NC	166150
8560	D	F	8	6.6	8.6	333	1	NC	301950
8564	-	M	8	7.25	87.5	156	8	-	26785
8567	D	F	8	4.13	8.6	333	1	-	142590
8567	D	F	8	8.26	8.6	333	1	-	285180
8568	-	*A M	8	537	508	70	8	-	-
A. CARD RANDOM-ACCESS SYSTEM.									
8590	R	-	-	29.17	60	312	16	-	298640

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type¹	Head Type²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
VARIAN									
E-225X	R	-	-	-	-	-	-	-	-
E-2556	R	H	8	7.25	12.5	80	4	5050	19450
E-3046A	R	-	8	2.3	35	184	4	-	-
E-3047A	FR	-	8	4.6	35	184	2	-	-
E-3646D	F	F	8	1	17	105	-	NC	21900
34	R	H	8	116	42	312	2	5000	40000
35	R	H	8	29	44.5	312	4	7000	17000
36	FR	H	8	5.68	35	184	2	4500	8000
37	FR	H	8	2.34	35	184	2	4000	6000
620-34	R	-	8	116	55	312	2	-	-
620-35	R	-	8	29.2	65	312	4	-	-
620-36D	FR	-	8	4.6	38	184	2	NC	-
620-37D	R	-	8	2.3	70	184	3	NC	-
620-43	F	-	-	-	-	-	-	-	-
7500	R	H	16	11.7	-	156	4	5000	16000
7520	R	H	16	46.7	-	312	4	6000	26500
7530	R	H	16	93.4	-	312	2	6400	45600
7603	FR	H	16	4.68	-	156	2	4800	9000
7610	R	H	16	1.17	-	92	3	2500	7500
7613	R	H	16	2.34	-	156	3	3500	8000
7700	F	F	-	.061	17	105	-	NC	10000
7701	F	F	-	.123	17	105	-	NC	11500
7702	F	F	-	.256	17	105	-	NC	13000

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
WANG									
2230	R	-	8	5.01	21	195	2	NC	11500
2230-1	FR	-	-	1.2	-	-	-	2000	11500
2230-2	FR	-	-	2.5	-	-	-	2000	12000
2230-3	FR	-	-	5	-	-	-	2000	12500
2260	FR	-	8	10	40	312.5	2	NC	14500
2270 DISKETTE	R	-	8	.75	363	31	3	NC	3200
XEROX									
3203	-	F	8	1.31	8.5	755	8	-	-
3204	-	F	8	2.62	8.5	604	8	-	-
3214	-	M	8	2.88	8.5	755	8	8000	32000
3231	R	M	8	2.4	50.5	312	8	-	-
3232	R	M	8	4.9	50.5	312	8	-	-
3233	FR	M	8	9.8	50.5	312	8	-	-
3242	R	M	8	5.7	50.5	312	8	8000	9000
3243	FR	M	8	11.4	50.5	312	8	8000	16000
3277 H. INCLUDES DUAL DRIVE.	R	M	8	100	38.3	806	15	82340*H	22500
3283	R	-	-	188	38.3	806	-	-	-
7202	F	F	8	.737	17	188	8	8000	13000
7203	F	F	8	1.47	17	188	8	8000	24000
7204	F	F	8	2.95	17	188	8	8000	35000
7212	-	F	8	21.5	17	3000	4	18000	60000

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MODEL	Disk Type ¹	Head Type ²	Character Size	Drive Capacity in Millions of Characters (MB)	Average Access Time in Milliseconds	Transfer Rate in Thousands of Characters per Second	Maximum Number of Drives per Controller	Controller Price	Drive Price
XEROX (CONT.)									
7232	-	F	8	6.29	17	384	4	14000	50000
7242	R	M	8	49.2	87.5	312	8	20000	25000
7246	R	M	8	24.6	87.5	312	8	20000	15000
7251	R	M	8	2.3	50.5	312	4	8000	5700
7252	R	M	8	4.6	50.5	312	4	8000	9200
7271	R	M	8	49	47.5	312	8	65000 *H	22500
H. INCLUDES DUAL DRIVE.									

¹Disk Type: D = Drum F = Fixed disk R = Removable disk

²Head Type: M = Movable head F = Fixed head

DISK & DRUM CHARACTERISTICS

MAGNETIC TAPE

Explanation of Column Headings

Model	The tape transport device model number.
Tracks	The number of bits which may be written in a single position across the width of the tape, including parity bits.
Tape Speed	The rate, in inches per second, at which the tape moves past the recording head during a data transfer.
Densities	200 bpi 556 bpi An asterisk shows availability of the 800 bpi specified densities (the number of bits 1600 bpi which may be written per inch on a single track).
Transfer Rate	The speed in at which data may be read from the unit in thousands of characters per second, exclusive of latency delays.
Maximum Transports per Controller	The maximum number of single tape transports which may be attached to a single controller and be concurrently operational.
Controller Price	The purchase price of the controller and the necessary equipment to attach the controller to the CPU. If the transport unit is a subsystem containing a controller and one or more transports, the controller price is the subsystem price less the price of the designated number of transports. "NC" indicates there is no charge for the controller in excess of the drive unit price. "RPQ" indicates Request for Price Quotation.
Transport Price	The purchase price of a single tape transport unit.

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
BASIC FOUR										
6100	9	12.5	.	.	*	.	10	-	-	7950
6200	7	12.5	.	.	*	.	10	-	-	7950
6210	7	12.5	.	*	.	.	7	-	-	7950
BSL NORTHP										
500	-	25	.	.	*	.	20	-	-	-
BURROUGHS										
A/B9381-12	9	22.5	.	.	*	.	18	2*G	6000*H	25200*J
G. MAXIMUM FOR B1700 SERIES. MAXIMUM OF 8 DRIVES FOR B2700/3700/4700 SERIES.										
H. CONTROL FOR B1714. CONTROL FOR B1726/1728, \$6,960; B2700/3700/4700 \$26,400.										
J. DUAL DRIVE.										
A/B9381-13	9	22.5	.	.	*	.	18	3*G	6000*H	26960*J
G. MAXIMUM FOR B1700 SERIES. MAXIMUM OF 12 DRIVES FOR B2700/3700/4700 SERIES.										
H. SEE B9381-12, NOTE H.										
J. TRIPLE DRIVE CLUSTER.										
A/B9381-14	9	22.5	.	.	*	.	18	4*G	6000*H	32160*J
G. MAXIMUM FOR B1700 SERIES. MAXIMUM OF 16 DRIVES FOR B2700/3700/4700 SERIES.										
H. SEE B9381-12, NOTE H.										
J. FOUR DRIVE CLUSTER.										
A/B9381-22	9	45	.	.	*	.	36	2*G	6000*H	33600*J
G,H,J. SEE B9381-12, NOTE G, H, J.										
A/B9491-2	9	12.5	.	.	*	.	10	1*G	1250*H	6600
G. MAXIMUM FOR B700 SERIES. MAXIMUM OF 4 DRIVES FOR B1700 SERIES.										
H. FOR 700 SERIES. CONTROL FOR B1712/1714, \$3,900; FOR B1726/1728, \$10,368.										
B9380	7	22.5	*	.	.	.	4.5	8	16000	21000
B9380	9	45	.	.	*	*	72	8	21000	47000
B9381-23	9	45	.	.	*	.	36	3*G	6000*H	43200*J
G,J. SEE 9381-13, NOTE G, J.										
H. SEE B9381-12, NOTE H.										

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi 800 bpi 1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
BURROUGHS (CONT.)							
B9381-24 G, J. SEE B9361-14, NOTE G, J. H. SEE B9381-12, NOTE H.	9	45	. . * .	36	4*G	6000*B	52800*J
B9382-12 J. DUAL DRIVE.	9	22.5	. . . *	36	8	25200	29670*J
B9382-13 J. TRIPLE DRIVE CLUSTER.	9	22.5	. . . *	36	12	25200	34320*J
B9382-14 J. FOUR DRIVE CLUSTER.	9	22.5	. . . *	36	16	25200	40560*J
B9382-22 J. DUAL DRIVE.	9	45	. . . *	72	8	25200	34800*J
B9382-23 J. TRIPLE DRIVE CLUSTER.	9	45	. . . *	72	12	25200	45600*J
B9382-24 J. FOUR DRIVE CLUSTER.	9	45	. . . *	72	16	25200	56400*J
B9363-12 J. DUAL DRIVE.	9	22.5	. . * *	36	8	45600	30720*J
B9363-13 J. TRIPLE DRIVE CLUSTER.	9	22.5	. . * *	36	12	45600	36000*J
B9383-14 J. FOUR DRIVE CLUSTER.	9	22.5	. . * *	36	16	45600	43200*J
B9363-23 J. TRIPLE DRIVE CLUSTER.	9	45	. . * *	72	12	45600	48000*J
B9383-24 J. FOUR DRIVE CLUSTER.	9	45	. . * *	72	16	45600	60000*J
B9390	7	90	* * . .	50	6	6960	15860
B9391	7	90	* * * .	72	10	15360	18000
B9392	9	90	. . * .	72	10	16800	20400

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
BURROUGHS (CONT.)									
B9393-1	9	90	.	.	*	144	10	24000	19440
B9393-3	9	150	.	.	*	240	10	24000	24960
B9394-1	7	120	*	*	*	96	10	15360	18000
B9394-2	9	120	.	.	*	96	10	16800	20400
B9495-2	9	75	.	.	*	120	8	21060*H	16650
H. MASTER ELECTRONICS EXCHANGE REQUIRED; \$5,500 FOR UP TO 4 DRIVES, \$8,800 FOR UP TO 8 DRIVES.									
B9495-3	9	125	.	.	*	200	8	21060*H	21110
H. SEE B9495-2, NOTE H.									
B9495-5	9	200	.	.	*	320	8	54000*H	29760
H. CONTROL FOR B4700 SERIES. CONTROL FOR B6700/7700 SERIES. \$23,500. ALSO SEE B9495-2, NOTE H.									
B9495-6	9	250	.	.	*	400	8	54000*H	34080
H. SEE B9495-5, NOTE H.									
B9496-2	9	25	.	.	*	40	8	15740*H	12800
H. SEE B9495-2, NOTE H.									
B9496-4	9	50	.	.	*	80	8	15740*H	15300
H. SEE B9495-2, NOTE H.									
9383-22	9	4.5	.	.	*	72	8	45600	36000*J
J. DUAL DRIVE.									
CII									
300	9	25	.	.	*	20	4	NC	-
310	9	25	.	.	*	40	4	NC	-
70322	9	75	.	.	*	60	8	-	-
70372	7	75	.	.	*	60	8	-	-
72317	9	37.5	.	.	*	60	8	-	-
72327	9	75	.	.	*	120	8	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
CINCINNATI MILACRON										
2063-1	-	45	.	.	*	.	36	-	12500	-
COLLINS										
8046	7	75	*	*	.	.	41.7	10	-	-
8047	7	112.5	*	*	.	.	62.5	10	-	-
8048	7	75	*	*	*	.	60	10	-	-
8049	7	112.5	*	*	*	.	90	10	-	-
8841A-1	9	150	.	.	*	.	120	10	-	-
8842C	-	150	.	.	*	.	120	-	-	-
8845A-1	1	7.5	*	.	.	.	15	-	-	-
COMPUTER AUTOMATION										
18224-15 J. CONTROLLER AND UNIT.	7/9	25	*	*	*	.	20	4	-	8275*J
18224-15	7/9	25	*	*	*	.	20	4	NC	8275
22224-15	7/9	25	*	*	*	.	20	4	-	6300
COMPUTER TECHNOLOGY										
1.563	9	45	.	.	*	.	36	4	-	-
1.564	7	45	.	*	*	.	36	4	-	-
1.571	9	45	.	.	*	.	36	4	-	-
1.571	7	45	.	*	*	.	36	-	-	-
8571	7/9	45	*	*	*	.	36	4	-	-
8572	9	75	.	.	.	*	120	4	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
CONTENT										
6309	9	37.5	.	.	*	.	30	8	-	-
7321-A1	-	-	.	.	.	.	-	-	NC	18500
7321-B1	-	-	.	.	.	.	-	-	NC	22600
7322-A1	-	75	.	.	.	*	120	-	NC	20100
7322-B1	-	-	.	.	.	.	-	-	NC	24200
CONTROL DATA										
608	7	37.5	*	*	*	.	30	8	10950	16430
609	9	37.5	.	.	*	.	30	2	9800	16430
615	7	37.5	.	*	.	.	30	4	5000	5500
615	9	37.5	.	.	*	*	20.8	4	5000	7000
616-72	7	25	.	*	*	.	20	-	5250	6000
616-92	9	25	.	.	*	*	40	-	5250	7100
616-95	9	50	.	.	*	*	80	-	5250	7700
657-1	7	37.5	*	*	*	.	30	8	32860	17890
657-2	7	75	*	*	*	.	60	8	32860	29150
657-3	7	112.5	*	*	*	.	90	8	32860	36970
657-4	7	150	*	*	*	.	120	8	32860	46640
659-1	9	37.5	.	.	*	*	60	8	46640	18550
659-2	9	75	.	.	*	*	120	8	46640	26235
659-3	9	112.5	.	.	*	*	180	8	46640	38160
659-4	9	150	.	.	*	*	240	8	46640	43885
667	7	100	*	*	*	.	80	8	-	-
667	7	150	*	*	*	.	120	8	-	-
667	7	200	*	*	*	.	160	8	28875	19425

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
CONTROL DATA (CONT.)										
669	9	100	.	.	*	*	160	8	-	-
669	9	150	.	.	*	*	240	8	-	-
669	9	200	.	.	*	*	320	8	-	-
DATA GENERAL										
4196A	-	-	.	.	.	.	-	7	5000	8500
6020	7	75	*	*	.	.	41.7	8	NC	9900
6021	9	75	.	*	.	.	60	8	NC	9900
DATAPoint										
300, 301	9	12.5	.	.	*	.	10	-	NC	8500
302, 303	7	12.5	.	*	*	.	10	-	NC	8500
9550	9	12.5	.	*	*	.	10	4	-	8500
9552	7	12.5	.	*	*	.	10	4	-	8500
9580	9	12.5	.	.	.	*	20	4	-	12200
9590	9	12.5	.	.	.	*	20	-	-	-
DATASAB										
P831	9	25	.	.	.	.	-	4	1909	6491
P831	-	45	.	.	.	.	-	4	1909	6872
2132-3	9	75	.	.	*	*	120	32	25800	22400
2137-4	9	75	.	.	*	.	60	32	25800	16900
4220	9	12.5	.	.	*	.	10	1	-	-
5634-1	-	-	.	.	.	.	-	-	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
DCC										
TS03-SA F. PDP-11 CONTROLLER, \$3,450.	9	12.5	.	.	*	.	10	2	2950**	3500
116430C	7	45	*	*	*	.	36	8	3500	5500
116430D	9	45	.	.	*	.	36	-	3500	5500
116430E	7	12.5	*	*	*	.	10	-	3500	4000
116430F	9	12.5	.	.	*	.	10	-	3500	4000
116430G	9	45	.	.	.	*	72	-	4200	6750
116430H	9	75	.	.	.	*	72	8	4200	8700
116430I	9	75	.	.	*	.	60	-	3500	8500
DEC										
TR88A	-	12.5	.	.	.	.	-	10	-	-
TS03-SA	9	12.5	.	.	*	.	40	2	2950	3500
TU10D	-	-	.	.	.	.	-	-	-	-
TU10W-EE	7/9	45	*	*	*	.	36	8	3675	8400
TU16-EE	9	45	.	.	*	*	72	8	7875	9400
TU40	9	150	*	*	*	.	120	8	-	-
TU41	7	150	*	*	*	.	120	8	-	-
TU45	9	75	.	.	*	*	120	8	-	14000
TU56 A. TWO SETS REDUNDANT TRACKS. C. VARIABLE.	10*A	93	-*C	.	.	.	10	4	6000	6600
TU66	9	25	.	.	.	*	40	8	13175	7560
TU66	9	45	.	.	.	*	72	8	13175	6900
TU66	9	75	.	.	.	*	120	8	13175	9100
TU70 C. 160 OR 320 BPI.	-	200	-*C	-*C	-*C	-*C	64	-	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
DIGITAL SCIENTIFIC									
3410	7	37.5	.	*	.	30	2	NC	11250*G
G. SINGLE DRIVE. DUAL DRIVE, \$17,250.									
3412	9	37.5	.	.	*	30	2	NC	11450*G
G. SINGLE DRIVE. DUAL DRIVE, \$17,650.									
3416	9	75	.	.	*	60	2**	NC	13950*G
E. MODEL 4040. FOUR DRIVES FOR MODEL 4030. G. SINGLE DRIVE. DUAL DRIVE, \$20,150.									
EAI									
1712	9	25	.	.	*	20	4	4250	4750
1714	7	25	.	.	.	40	4	6500	6500
1724	9	45	.	.	*	36	4	4500	7000
1725	-	45	.	.	.	72	4	6500	8500
1726	9	75	.	.	*	60	4	4500	12000
1727	-	75	.	.	.	120	4	6500	14000
FERRANTI									
HS111, HS 113	9	-	.	.	.	-	4	6524	6524
FOUR-PHASE									
8501	9	12.5	.	.	*	10	3	2000	13500
8502	9	12.5	.	.	*	10	3	2200	8600
8503	9	37.5	.	.	.	60	3	1100	15800
FUJITSU									
F603R	-	75	.	.	.	120	-	-	-
F603N	-	120	.	.	.	196	-	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
FUJITSU (CONT.)										
F603S	-	75	.	.	.	*	120	-	-	-
F608S	-	27	.	.	*	.	21.6	-	-	-
F610A-1	-	200	.	.	.	*	320	-	-	-
F611A	-	125	.	.	.	.	781	-	-	-
F611E	-	125	.	.	.	.	200	-	-	-
F612A	-	27	.	.	.	*	43.2	-	-	-
PF7025A	9	12	.	.	*	.	9.6	4	-	-
PF7026A	9	27	.	.	.	*	43.2	2	-	-
401A C. 333 BPI.	4	30	-*C	.	.	.	1.7	-	-	-
603B	7	75	*	*	.	.	41.7	-	-	-
603C	7	120	*	*	.	.	66.7	-	-	-
603D	7	75	.	*	*	.	60	-	-	-
603E	7	120	.	*	*	.	96	-	-	-
603F	9	75	.	.	*	.	60	-	-	-
603G	9	120	.	.	*	.	96	-	-	-
606A	7	45	.	*	.	.	25	-	-	-
606A C. 333 BPI.	7	45	-*C	.	.	.	15	-	-	-
608B-1, 608K	7	27	.	*	.	.	21.6	-	-	-
608B-1, 608K	9	27	.	.	*	.	21.6	-	-	-
GENERAL AUTOMATION										
1331	9	25	.	.	*	.	20	2	2500	7500

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
GENERAL AUTOMATION (CONT.)										
1332	9	37.5	.	.	*	.	30	2	3000	8000
1333	9	75	.	.	*	.	60	2	3500	10500
1334	7	25	.	*	.	.	20	2	2500	7500
1335	7	37.5	.	*	*	.	30	2	3000	8000
1336	7	75	.	*	*	.	60	2	3500	10500
3331	9	25	.	.	*	.	20	4	4000	6000
3332	9	37.5	.	.	*	.	30	4	4000	7000
3333-1011	9	75	.	.	*	.	60	4	4000	10000
3334	7	25	*	*	*	.	20	4	4000	6000
3335	7	37.5	*	*	*	.	30	4	4000	7000
3336	7	75	*	*	*	.	60	4	4000	10000
GBI										
9502	9	37.5	.	.	*	.	60	4	NC	11700
9512	-	37.5	.	.	*	.	30	-	-	10250
HARRIS										
6210	7	100	.	*	*	.	80	2	15000	23000
6220	7	150	.	*	*	.	120	2	15000	27000
6230	7	200	.	*	*	.	160	2	15000	31000
6240	9	100	.	.	*	*	160	2	15000	25000
6250	9	150	.	.	*	*	240	2	15000	29000
6260	9	200	.	.	*	*	320	2	15000	33000
6500	7	25	*	*	*	.	36	4	-	-
6500	9	45	.	.	*	*	72	4	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
HARRIS (CONT.)										
6630	7	45	.	*	*	.	36	4	4000	7000
6640	9	45	.	.	*	.	36	4	12000	8000
6650	9	45	.	.	*	*	72	4	7000	9000
6660	9	45	.	.	*	*	72	4	7000	11000
6690	9	75	.	.	*	*	120	4	7000	13000
HEWLETT PACKARD										
12970A	9	45	.	.	*	.	36	4	2050	6850
12970B	9	37.5	.	.	*	.	30	4	2050	6850
12970C	9	25	.	.	*	.	20	4	2050	6850
12971A	7	45	*	*	*	.	36	-	5500	6900
12971B	7	37.5	*	*	*	.	30	-	5500	6900
12971C	7	25	*	*	*	.	20	-	5500	6900
12972A	9	45	.	.	.	*	72	4	1525	9375
12972B	9	37.5	.	.	.	*	60	4	1525	9375
12972C	9	25	.	.	.	*	40	4	1525	9375
12973A	9	45	*	*	*	*	72	-	2325	9925
12973A	7/9	45	*	*	*	*	72	4	-	-
30115A	9	45	.	.	*	.	36	4	9550	2450
30115A	9	45	.	.	.	*	72	4	-	-
HITACHI										
A-361-21	9	25	.	.	*	.	20	4	-	-
A-362-21	9	25	.	.	.	*	40	4	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
HITACHI (CONT.)										
A-363	9	25	.	.	*	.	20	4	-	-
A-364	9	25	.	.	.	*	40	4	-	-
H-8423	-	25	.	.	.	*	40	-	-	-
H-8452	-	50	.	.	.	*	80	-	-	-
H-8453	-	75	.	.	.	*	120	-	-	-
H-8455	-	150	.	.	.	*	240	-	-	-
H-8467	-	125	.	.	.	*	200	-	-	-
H-8468	-	200	.	.	.	*	320	-	-	-
H-8487	-	125	.	.	.	.	780	-	-	-
H-8488	-	200	.	.	.	.	1250	-	-	-
8420	9	25	.	.	.	*	40	-	-	29880
8440	9	37.5	.	.	*	.	30	-	-	24400
8440	9	75	.	.	*	.	120	-	-	35600
8440	9	100	.	.	*	.	80	-	-	35600
8450	9	37.5	.	.	.	*	60	-	-	37640
8450	9	75	.	.	.	*	120	-	-	44200
8450	9	150	.	.	.	*	240	-	-	44200
HOKUSHI										
LMT01	10	97	.	.	.	.	10	8	9100	10900
LMT05	9	75	.	.	*	.	60	4	13400	14500
LMT06	1	30	.	.	.	*	2	2	BC	5300

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
HONEYWELL										
HTH100	-	-	.	.	.	.	-	-	-	-
HTH150	-	-	.	.	.	.	-	-	-	11600
HTH200	7	37.5	*	*	.	.	21	-	-	13300
HTH300	7	-	*	*	*	.	30	-	-	18401
HTH400	-	-	.	.	.	.	-	-	-	-
HTH500	-	-	.	.	.	.	-	-	-	-
HTP0600	-	-	.	.	.	.	-	-	-	25740
HTS100	-	-	.	.	.	.	-	-	-	-
HTS150	-	-	.	.	.	.	-	-	-	-
HTS200	-	-	.	.	.	.	-	-	-	-
HT00103	9	37.5	.	.	*	.	30	6	18870	11430
HT00103	9	37.5	.	.	*	*	60	6	19870	11430
HT00103	7	37.5	*	*	*	.	30	6	18870	13930
HT00103	7	37.5	*	*	*	.	60	6	19870	13930
HT00120/HTF0101	9	18.8	.	.	.	*	30	4	-	10130
HT00120/HTF0102	9	18.8	.	.	*	*	30	4	-	11160
HT00120/HTF0103	7	18.8	*	*	*	.	15	4	-	11160
HT00210/HTF0101	9	37.5	.	.	.	*	60	4	-	12230
HT00210/HTF0102	9	37.5	.	.	*	*	60	4	-	13270
HT00210/HTF0103	7	37.5	*	*	*	.	30	4	-	13270
HT00220/HTF0101	9	37.5	.	.	.	*	60	4	-	-
HT00220/HTF0102	9	37.5	.	.	*	*	60	4	-	13270

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
ROWEYWELL (CONT.)										
HT00220/HTF0103	7	37.5	*	*	*	.	30	4	-	13270
HT00410/HTF0111	9	75	.	.	.	*	120	8	-	15470
HT00410/HTF0112	9	75	.	.	*	*	120	8	-	16350
HT00410/HTF0113	7	75	*	*	*	.	60	8	-	18410
HT00410/HTF0115	7	75	*	*	.	.	41.7	8	-	15470
HT00410/HTF0116	7	75	.	*	*	.	60	8	-	15470
HT00500/HTF0011	9	125	.	.	.	*	200	8	-	19690
HT00500/HTF0012	9	125	.	.	*	*	200	8	-	20550
HT00500/HTF0013	7	125	*	*	*	.	100	8	-	22610
HT00500/HTF0115	7	125	*	*	.	.	69.5	-	-	19690
HT00500/HTF0117	9	125	*	*	*	*	200	8	-	22610
HTU0600	-	-	.	.	.	.	-	-	-	20430
HTV600	-	200	.	.	.	.	-	-	-	22700
163	9	18.8	.	.	.	*	30	8	22176	12240
163	9	18.8	.	.	*	.	15	8	22176	13248
163	7	18.8	*	*	*	.	15	8	31008	13248
166	9	37.5	.	.	.	*	60	8	33216	18528
166	9	37.5	.	.	*	.	30	8	33216	19536
166	7	37.5	*	*	*	.	30	8	41048	19536
172	9	-	.	.	.	.	120	8	39600	24400
204A-1	-	60	.	.	.	.	31.7	4	12375	20250
204A-2	-	120	.	.	.	.	63.5	4	12375	43200
204A-3	-	120	.	.	.	.	88.8	4	18000	43200

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
HONEYWELL (CONT.)									
204B-1, -2 G. PRIMARY UNIT (204B-1); SECONDARY UNIT (204B-2), \$12,960.	7	36	* *	.	.	20	8	18360	15120*G
204B-11	-	-	. * *	.	.	13.3	4	12960	12375
204B-11B	-	-	. * *	.	.	14.6	4	12960	12375
204B-12	-	-	* *	.	.	13.3	4	12960	10125
204B-12B	-	-	* *	.	.	14.6	4	12960	10125
204B-14	7	24	* * *	.	.	19.2	3	21490	12175
204B-16	7	48	* * *	.	.	26.7	3	24300	14400
204B-17	-	16	* * *	.	.	8.9	-	-	-
204B-18	7	16	* * *	.	.	8.9	3	13500	7650
204B-200, -201 E. TRIPLE DRIVE MINIMUM CONFIGURATION.	7	18	* * *	.	.	10	-*E	2200	8800
204B-21	-	-	. . .	.	.	-	4	NC	31080
204B-22	7	60	* * *	.	.	33.4	4	31080	12800
204B-23, -23A	-	-	. . .	.	.	-	2	NC	11500
204B-24, -24A	7	16	* * *	.	.	8.9	2	11500	12800
204B-24, -24A	7	16	. * *	.	.	8.9	-	11500	7650
204B-3, -4 G. PRIMARY UNIT (204B-3); SECONDARY UNIT (204B-4), \$19,440.	7	80	* * *	.	.	44	8	18360	21600*G
204B-300, -301 E. TRIPLE DRIVE MINIMUM CONFIGURATION.	7	36	* * *	.	.	20	-*E	2200	-
204B-300, -301	-	-	. . .	.	.	-	-	-	11000
204B-400, -401 E. TRIPLE DRIVE MINIMUM CONFIGURATION.	7	54	* * *	.	.	30	-*E	4300	12100
204B-5	7	120	* * *	.	.	66.1	8	18360	30240

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
HONEYWELL (CONT.)									
204B-7	7	36	* *	* .	28.8	8	18360	17280	
204B-8	7	80	* *	* .	64	8	18360	25920	
204B-9	7	120	* *	* .	96	8	16360	34560	
204C-13, -14	9	36	. .	* .	28.8	-	15750	20250	
204D-1	9	36	. .	* *	74.6	8	29400	15960	
204D-3	9	72	. .	* *	149	8	33600	23100	
204D-5	9	105	. .	* *	224	6	37800	33600	
204F-1	-	-	. .	. .	-	8	31900	16500
204F-3	9	70	. .	* *	149	8	34100	18700	
204F-5	9	105	. .	* *	224	8	34100	24200	
204H-1	9	35	. .	* *	74.6	-	-	15960	
204H-3	9	70	. .	* *	149	-	-	16170	
204H-5	9	105	. .	* *	224	-	-	20160	
206-1	9	-	. .	. .	30	4	4500	10000
372	7	150	* *	. .	83.4	8	42800*F	35700	
F. \$65,700 FOR CONTROL FOR 16 UNITS.									
373	7	150	* *	* .	120	6	42800*F	40700	
F. SEE 372, NOTE F.									
4021	7	26	* *	* .	20.8	4	4815	8560	
4041	7	26	. .	. .	-	4	3000	7000
4051	9	26	. .	. .	-	4	3000	7000
4130	7	36	* *	. .	20	4	RPQ	RPQ	
4131	7	36	* .	* .	28.8	4	RPQ	RPQ	
4132	7	36	. *	* .	28.8	4	RPQ	RPQ	

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed In Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
HONEYWELL (CONT.)										
4141	7	80	*	.	*	.	64	4	RPQ	RPQ
4142	7	80	.	*	*	.	64	4	RPQ	RPQ
4150	9	36	.	.	*	.	-	4	2140	11235
4153	9	36	.	.	*	.	28.8	4	2500	10500
4154	9	80	.	.	*	.	64	4	-	-
4155	9	80	.	.	.	*	64	4	-	-
4180	-	35	.	.	.	*	-	4	5585	10786
4190	-	70	.	.	.	*	-	4	5607	12583
4235	9	37.5	.	.	*	.	-	8	RPQ	RPQ
4245	9	75	.	.	*	.	-	8	RPQ	RPQ
4255	9	150	.	.	*	.	-	8	RPQ	RPQ
492	9	150	*	*	.	.	111	8	46200*P	35700
P. \$70,600 FOR CONTROL FOR 16 UNITS.										
493	9	150	*	*	*	.	160	8	46200*P	40700
P. SEE 492, NOTE P.										
501	7	75	*	*	*	.	60	-	-	20460
502	9	75	.	.	*	*	160	8	28600	20460
504	7	125	*	*	*	.	100	-	-	25740
505	9	125	.	.	*	*	266	8	28600	25740
51H	-	80	*	*	*	.	-	4	RPQ	RPQ
52H	-	80	.	*	*	.	-	4	RPQ	RPQ
55H	-	36	*	*	*	.	-	4	RPQ	RPQ
56H	-	36	*	*	*	.	-	4	RPQ	RPQ
680	-	-	.	.	.	.	15	8	30000	23760
690	-	-	.	.	.	.	42	8	37080	34460

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
IBM										
2401-1	7/9	37.5	.	.	*	.	30	8	29200	14440
2401-2	7/9	75	.	.	*	.	60	8	29200	20940
2401-3	7/9	112.5	.	.	*	.	90	8	29200	33950
2401-4 G. DUAL DENSITY (800 AND 1600 BPI), \$1,100 EXTRA.	9	37.5	.	.	*	*	60	8	36040	16530*G
2401-5 G. DUAL DENSITY (800 AND 1600 BPI), \$1,100 EXTRA.	9	75	.	.	*	*	120	8	36040	23140*G
2401-6 G. DUAL DENSITY (800 AND 1600 BPI), \$1,100 EXTRA.	9	112.5	.	.	*	*	180	8	36040	36150*G
2401-8	7	75	*	*	*	.	60	8	17190	15210
2415-1 G. DUAL DRIVE.	9	18.75	.	.	*	.	15	2	NC	32950*G
2415-2 G. FOUR DRIVE UNIT.	9	18.75	.	.	*	.	15	4	NC	52690*G
2415-3 G. SIX DRIVE UNIT.	9	18.75	.	.	*	.	15	6	NC	72420*G
2415-4 G. DUAL DRIVE.	9	18.75	.	.	*	*	30	2	NC	40010*G
2415-5 G. FOUR DRIVE UNIT.	9	18.75	.	.	*	*	30	4	NC	64260*G
2415-6 G. SIX DRIVE UNIT.	9	18.75	.	.	*	*	30	6	NC	88510*G
2420-5	9	100	.	.	*	*	160	8	36040	27880
2420-7	9	200	.	.	.	*	320	8	36040	50590
3410-1 H. 3411-1 REQUIRED.	1/9	12.5	*	*	*	*	20	4	15570*H	7065
3410-2 H. 3411-2 REQUIRED.	7/9	25	*	*	*	*	40	6	19710*H	9450

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
IBM (CONT.)										
3410-3 H. 3411-3 REQUIRED.	7/9	50	*	*	*	*	80	6	24030*H	11700
3411-1	7/9	12.5	*	*	*	*	20	4	HC	15570
3411-2	7/9	25	*	*	*	*	40	6	HC	19710
3411-3	7/9	50	*	*	*	*	80	6	HC	24030
3420-3	9	75	*	*	*	*	120	8	23670	12420
3420-3	7	75	*	*	.	.	41.7	8	23670	15410
3420-3	7	125	*	*	.	.	69.5	8	23670	19550
3420-4 C. ALSO DENSITY OF	9	75	.	.	.	**C	470	8	39420	21960
6250 BPI.										
3420-5	9	125	*	*	*	*	200	8	23670	16650
3420-6 C. ALSO DENSITY OF	9	125	.	.	.	**C	780	8	39420	25650
6250 BPI.										
3420-7	9	200	*	*	*	*	320	8	23670	20520
3420-7	7	200	*	*	.	.	111	8	23670	23420
3420-8 C. ALSO DENSITY OF	9	200	.	.	.	**C	1250	8	39420	28440
6250 BPI.										
729X	-	112.5	*	*	.	.	62.5	-	-	-
729Y	-	75	*	*	*	.	60	-	-	-
729YI	-	112.5	*	*	*	.	90	-	-	-
72911	-	75	*	*	.	.	41.7	-	-	-
ICL										
120	-	-	.	.	.	.	120	4	-	-
1971 E. TWO, FOUR, OR SIX TRANSPORTS.	7	37.5	*	*	.	.	20.8	-*E	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
ICL (CONT.)										
1972 E. SEE 1971, NOTE E.	7	75	*	*	.	.	41.7	-*E	-	-
1973 E. SEE 1971, NOTE E.	7	75	*	*	*	.	60	-*E	-	-
1974	7	120	*	*	*	.	96	8	-	-
200	-	-	.	.	.	.	200	4	-	-
2504 E. DUAL DRIVE MINIMUM CONFIGURATION.	9	37.5	.	.	.	*	80	4*E	-	-
2505 E. SEE 2504, NOTE E.	9	75	.	.	.	*	160	4*E	-	-
2506 E. SEE 2504, NOTE E.	9	37.5	.	.	*	.	40	4*E	-	-
2507 E. SEE 2504, NOTE E.	9	75	.	.	*	.	80	4*E	-	-
2508	9	50	.	.	.	*	80	-	-	-
320	-	-	.	.	.	.	320	4	-	-
4270	7	120	*	*	*	.	96	8	-	-
4450	7	75	*	*	*	.	60	-	-	-
4460	-	-	.	.	.	.	-	-	-	-
INTERDATA										
M46-460, 462	9	45	.	.	*	.	36	4	2900	6000
M46-465, 466	9	45	.	.	.	*	72	4	1500	6800
M46-476, 477	7	45	.	*	*	.	25.3	4	2900	6000
IOHEC										
10-71	7	12.5	*	*	*	.	#0	8	3400	3300

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi 800 bpi 1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
IONEC (CONT.)							
10-71	7	45	* * * .	36	8	3400	3300
10-81	9	45	. . * .	36	8	3400	3300
10-91	9	45	. . . *	72	8	4200	3610
MARTIN WOLFE							
0911	9	45	. . * .	36	-	-	-
MICRODATA							
2812	9	12.5	. . * .	10	4	1900	3850
2813	9	25	. . * .	20	4	2050	3850
2814	9	12.5	. . * .	10	4	1900	4100
2815	9	25	. . * .	20	4	2000	4100
3812	7/9	12.5	. . * .	10	4	2450	3850
3813	7/9	25	. . * .	20	4	2550	3850
3814	7/9	12.5	. . * .	10	4	2650	3850
3815	7/9	25	. . * .	20	4	2750	3850
3816	7/9	37.5	. . * .	30	4	2650	3850
3817	7/9	45	. . * .	36	4	2750	3850
3818	7/9	37.5	. . * .	30	4	2600	4100
3819	7/9	45	. . * .	36	4	2700	4100
3822	7	12.5	. . * .	10	-	-	-
3823	7	25.0	. . * .	20	-	-	-
3824	7	12.5	. . * .	10	-	-	-
3825	7	25.0	. . * .	20	-	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi 800 bpi 1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
MICRODATA (CONT.)							
3826	7	37.5	. . *	30	-	-	-
3827	7	45.0	. . *	36	-	-	-
3828	7	37.5	. . *	30	-	-	-
3829	7	45.0	. . *	36	-	-	-
3832	9	12.5	. . *	20	4	3150	4050
3833	9	25	. . *	40	4	3250	4050
3834	9	12.5	. . *	20	4	3470	4300
3835	9	25	. . *	40	4	3570	4300
3836	9	37.5	. . *	60	4	3350	4050
3837	9	45	. . *	72	4	3450	4050
3838	9	37.5	. . *	60	4	3670	4300
3839	9	45	. . *	72	4	3770	4300
3842	9	12.5	. . *	20	-	-	-
3843	9	25.0	. . *	40	-	-	-
3844	9	12.5	. . *	20	-	-	-
3845	9	25.0	. . *	40	-	-	-
3846	9	37.5	. . *	60	-	-	-
3847	9	45.0	. . *	72	-	-	-
3848	9	37.5	. . *	60	-	-	-
3849	9	45.0	. . *	72	-	-	-
6000	7/9	45	* * *	36	4	-	3200
7000	9	45	. . *	72	4	-	3600

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
MODCOMP										
4148	9	45	.	.	*	.	36	-	4200	8000
4149	7	45	.	*	*	.	36	-	4200	8000
4155	9	45	.	.	.	*	72	-	7200	12000
4157	9	45	.	.	*	*	72	-	10200	13200
4164	9	75	.	.	*	.	60	-	4200	12000
4166	7	75	.	*	*	.	60	-	4200	12000
4168	9	75	.	.	.	*	120	-	13200	14000
4170	9	75	.	.	*	*	120	-	13200	15000
MANODATA										
N2022	1*1	30	.	.	.	*	6	1	5924	1425
A. CARTRIDGE TYPE TRANSPORT.										
MCR										
633-11	9	50	.	.	.	*	80	6	18060	12600
633-117	7	50	*	*	*	.	40	8	13020	13650
633-119	9	50	.	.	*	.	40	8	12600	14700
633-121	9	50	.	.	.	*	80	8	18060	24750*G
G. DUAL UNIT.										
633-211	9	90	.	.	.	*	144	8	21000	21375
633-311	9	150	.	.	.	*	240	8	23100	22050
634-117	7	25	*	*	*	.	20	-	15960	10170
634-119	9	25	.	.	.	*	40	-	15330	10500
634-219	9	50	.	.	.	*	60	-	18060	12610
635-109	9	200	.	.	.	*	160	-	24150	21375
635-209	9	200	.	.	.	*	320	-	24150	24150

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
HIPPOH										
C4070W	-	-	*	*	*	*	-	-	-	-
C4120	-	-	*	*	*	*	-	-	-	-
C4170W	-	-	*	*	*	*	-	-	-	-
HD500	7/9	24	*	*	*	*	19.2	-	-	-
H7611-01	7/9	18.9	*	*	*	*	30	1	MC	26680
H7611-02	7/9	18.9	*	*	*	*	30	8	21360	22680
H7611-03	7/9	18.9	*	*	*	*	30	8	21360	5880
H7612-01	7/9	37.4	*	*	*	*	60	1	MC	35948
H7612-02	7/9	37.4	*	*	*	*	60	8	21360	28000
H7612-03	7/9	37.4	*	*	*	*	60	8	21360	36000
H7613-02	7/9	75.1	*	*	*	*	120	8	21360	34000
H7613-03	7/9	75.1	*	*	*	*	120	8	21360	28000
H7621	7/9	75.1	*	*	*	*	120	8	21360	19360
H7622	7/9	125	*	*	*	*	200	8	21360	23360
601-01	7	12.5	*	*	*	*	10	2	MC	5760
601-01	9	12.5	*	*	*	*	10	2	MC	6160
OKI										
798AA	-	125	*	*	*	*	-	-	-	-
798C	-	30	*	*	*	*	-	-	-	-
798D	-	30	*	*	*	*	-	-	-	-
PHILIPS										
P831-002	9	25	*	*	*	*	20	4	4770	6835
P831-004	9	45	*	*	*	*	36	4	4770	7236

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi 800 bpi 1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
PLESSEY							
330	8	150*B	-*C -*C -*C -*C	90	4	-	-
B. ALSO SPEEDS OF 60, 75, 112.5, AND 120 IPS. C. 600 BPI.							
5500	7	150*B	* . . .	30	4	-	-
B. SEE 330, NOTE B.							
5500	9	150*B	. * * .	120	1	-	-
B. SEE 330, NOTE B.							
PRIME							
4141	7	45	. * * .	36	4	3700	6400
4143	9	45	. . * .	36	4	3700	6400
QANTEL							
5201	9	25	. . * .	20	4	1500	4950
5202	9	25	. . * .	20	4	1500	7950
5211	9	25	. . . *	40	4	2000	5750
5212	9	25	. . . *	40	4	2000	10950
RATHEON							
51402	7	37.5	. * * .	30	4	5500	5300
51404	7	75	. * * .	60	4	5500	8000
51406	7	75	. * * .	60	4	5500	9000
51502	9	37.5	. . * .	30	4	5500	5300
51504	9	75	. . * .	60	4	5500	8000
51506	9	75	. . * .	60	4	5500	9000
51602	21	45	-*C -*C -*C -*C	32	2	12000	14000
C. 712 BPI FOR 45 IPS; 356 BPI FOR 90 IPS.							

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
RAYTHEON (CONT.)										
51602	21	90	-*C	-*C	-*C	-*C	-	2	12000	14000
C. 712 BPI FOR 45 IPS; 356 BPI FOR 90 IPS.										
73472A	7	37.5	.	*	*	.	30	4	5500	5300
73473A	7	75	.	*	*	.	10	4	5500	8000
73475A	7	75	.	*	*	.	60	4	5500	10500
73492A	9	37.5	.	.	*	.	30	4	5500	5300
73493A	9	75	.	.	*	.	60	4	5500	8000
73495A	9	75	.	.	*	.	60	4	5500	10500
73497A	9	75	.	*	*	.	60	4	12000	14000
ROLM										
3361	7	75	.	*	*	.	60	7	8500	8000*G
G. INTERMEDIATE DRIVE REQUIRED FOR EACH DRIVE AFTER FIRST, \$1,000. MULTIPLE UNIT SYSTEM REQUIRES ADDITIONAL CABLES, \$500.										
3361	9	75	.	*	*	.	60	7	8500	8000*G
G. INTERMEDIATE DRIVE REQUIRED FOR EACH DRIVE AFTER FIRST, \$1,000. MULTIPLE UNIT SYSTEM REQUIRES ADDITIONAL CABLES, \$500.										
3362	7	75	.	*	*	.	60	7	8500	27950
3362	9	75	.	*	*	.	60	7	-	29950
SIEMENS										
2135	-	-	.	.	.	.	30	-	-	-
3956	9	37.5	.	*	*	.	30	4	-	-
3957	9	75	.	.	*	*	120	4	-	-
3959	9	75	.	.	*	.	60	4	-	-
430	9	37.5	.	.	*	.	30	2	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
SIEMENS (CONT.)										
432	7	37.5	.	.	*	.	30	16	-	-
432	9	37.5	.	.	*	.	30	16	-	-
442	7	75	.	.	*	.	60	16	-	-
442	9	75	.	.	*	.	60	16	-	-
4421-30	-	30	.	.	.	.	30	-	-	-
4421-60	-	60	.	.	.	.	60	-	-	-
4422	-	60	.	.	.	.	640	-	-	-
4422	-	60	.	.	.	.	120	-	-	-
4426-2	-	150	.	.	*	.	120	-	-	-
4446-2	7	150	.	.	*	.	120	16	-	-
4446-2	9	150	.	.	*	.	120	16	-	-
4453	9	75	.	.	*	*	120	16	-	-
4453	9	120	.	.	*	*	192	16	-	-
450	9	150	.	.	*	*	240	16	-	-
451	9	37.5	.	.	.	*	60	16	-	-
453	9	75	.	.	.	*	120	16	-	-
454	-	150	.	.	.	.	320	-	-	-
SINGER SYSTEMS										
45	7	25	.	*	*	.	20	4	2970	12000
45	9	25	.	.	*	.	20	4	2970	12000
6505	7	45	.	*	*	.	36	-	-	-
6507	9	45	.	.	*	*	72	-	-	-
6539-1, -2	9	200	.	.	*	.	160	2	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
SINGER SYSTEMS (CONT.)										
9360	7	45	.	*	*	.	36	4	-	-
9361	9	45	.	.	*	.	36	4	-	-
9362	9	45	.	.	.	*	72	4	-	-
9363	9	45	.	.	*	*	72	4	-	-
9374	7	75	.	*	*	.	60	4	-	-
9375	9	75	.	.	*	.	60	4	-	-
9376	9	75	.	.	.	*	120	4	-	-
9377	9	75	.	.	*	*	120	4	-	-
SYSTEMS										
4550	9	45	.	.	*	.	36	9	-	-
4551	9	45	.	.	*	*	72	9	-	-
4552	7	45	.	*	*	.	36	9	-	-
6505	7	45	.	*	*	.	36	-	-	-
6507	9	45	.	.	*	*	72	-	-	-
6511	7	75	.	*	*	.	60	-	17500	20000
6512	9	75	.	.	*	.	60	-	17500	20000
6521	7	150	.	*	*	.	120	8	20000	25000
6522	9	150	.	.	*	.	120	6	20000	25000
6539-1, -2	9	200	.	.	*	.	160	2	-	-
9360	7	45	.	*	*	.	36	4	-	-
9361	9	45	.	.	*	.	36	4	-	-
9362	9	45	.	.	.	*	72	4	-	-

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
SYSTEMS (CONT.)										
9363	9	45	.	.	*	*	72	4	-	-
9374	7	75	.	*	*	.	60	4	-	-
9375	9	75	.	.	*	.	60	4	-	-
9376	9	75	.	.	.	*	120	4	-	-
9377	9	75	.	.	*	*	120	4	-	-
TELEPUNKEN										
H8G253-1	9	75	.	.	*	.	51	-	-	-
H8G253-2	9	200	.	.	*	.	137	-	-	-
H8S252	7	100	*	*	.	.	47	-	-	-
H8S252	9	100	.	.	*	.	69	-	-	-
200	7/9	45	*	*	*	.	36	1	-	-
236-1	7	75	*	*	*	*	10.3	-	-	-
236-1	9	75	.	.	*	*	10.3	-	-	-
236-2	7	100	*	*	*	*	137	-	-	-
236-2	9	100	.	.	*	*	137	-	-	-
TEXAS INSTRUMENTS										
979, 217536	9	37.5	.	.	*	.	30	3	2750	5200
TOSHIBA										
MTR5403A	9	112.5	*	*	*	.	96	16	24600	26000
MT24012A	9	25	.	.	*	.	26	4	NC	17200
MT24021A	2	12.5	.	.	*	.	1.7	1	NC	5200

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi 556 bpi 800 bpi 1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
UNIVAC							
UNISERVO 12 G. SLAVE UNIT. ONE MASTER (\$15,936) IS REQUIRED FOR EACH THREE TRANSPORTS (SLAVES).	7	42.7	* * *	34.2	16	26448	13056*G
UNISERVO 12 G. SLAVE UNIT. ONE MASTER (\$21,024) IS REQUIRED FOR EACH THREE TRANSPORTS (SLAVES).	9	42.7	. . *	34.2	16	26448	14688*G
UNISERVO 12 G. SLAVE UNIT. ONE MASTER (\$18,336) IS REQUIRED FOR EACH THREE TRANSPORTS (SLAVES).	9	42.7	. . . *	68.3	16	26448	14688*G
UNISERVO 14	7	60	* * * .	48	8	26712	14880
UNISERVO 14	9	60	. . * *	96	8	26928	16080
UNISERVO 16	7	120	* * * .	96	16	28560	22032
UNISERVO 16	9	120	. . . *	192	16	36720	19609
UNISERVO 20	9	200	. . . *	320	16	36720	27696
UNISERVO 30-00 F. FOR 90/60 AND 90/70 COMPUTER SYSTEMS.	9	200	. . * *	320	8	55392*F	34800
UNISERVO 30-02 F. FOR 90/60 AND 90/70 COMPUTER SYSTEMS.	7	200	* * * .	160	8	55392*F	34800
UNISERVO 32 D. 6250 BPI. F. FOR 90/60 AND 90/70 COMPUTER SYSTEMS.	9	75	. . . *	470*D	8	55392*F	31584
UNISERVO 34 D. 6250 BPI. F. FOR 90/60 AND 90/70 COMPUTER SYSTEMS.	9	125	. . . *	780*D	8	55392*F	36192
UNISERVO 36 D. 6250 BPI.	9	200	. . . *	1250*D	8	66336	38880
VIC G. SLAVE UNIT. ONE MASTER (\$21,840) IS REQUIRED FOR EACH THREE TRANSPORTS (SLAVES).	7	42.7	* * * .	34.2	12	38688	13056*G
VIC G. SLAVE UNIT. ONE MASTER (\$21,840) IS REQUIRED FOR EACH THREE TRANSPORTS (SLAVES).	9	42.7	. . * .	34.2	12	38688	13056*G

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities: 200 bpi	556 bpi	800 bpi	1600 bpi	Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
UNIVAC (CONT.)										
VIIIC	7	120	*	*	*	.	96	16	40580	21275
VIIIC	9	120	.	.	*	.	128	16	40580	21700
10	7	25	*	*	*	.	20	8	-	-
10 G. DUAL DRIVE UNIT.	9	25	.	.	*	*	40	8	NC	34944*G
8441 G. DENSITIES OF 333 BPI AND 500 BPI AVAILABLE.	-	50	-*G	-*G	-*G	-*G	25	-	-	35965
8442	7/9	75	*	*	*	.	60	16	-	43105
8443	-	-	.	.	.	.	-	-	-	-
8445	7/9	150	*	*	*	.	120	-	-	37065
8451	-	-	.	.	.	*	60	16	-	37695
8453	-	-	.	.	.	*	120	16	-	52605
VARIAN										
E-1720G	9	120	.	.	*	.	96	-	NC	27775
E-2924	7	25	*	*	*	.	26	4	NC	7500
E-3004A	7	45	.	*	*	.	36	4	NC	12000
E-3004C	7	75	.	*	*	.	60	4	NC	14800
E-3004E	9	45	.	.	*	.	36	4	NC	12000
E-3004G	9	75	.	.	*	.	60	4	NC	14800
E-3004I	9	75	.	.	.	*	120	4	NC	16400
E-3004K	9	45	.	.	.	*	72	4	NC	15500
7100	9	25	.	.	*	.	20	4	1500	6000
7102	9	37.5	.	.	*	.	30	4	2000	7000

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

MODEL	Tracks	Tape Speed in Inches per Second	Densities:				Transfer Rate in Thousands of Characters per Second	Maximum Transports per Controller	Controller Price	Transport Price
			200 bpi	556 bpi	800 bpi	1600 bpi				
WANG										
2209	9	12.5	.	.	*	.	10	-	3600	12000
XEROX										
3325	9	45	.	.	*	.	36	8	-	-
3335	9	45	.	.	*	.	36	8	16200	13500
3345	9	75	.	.	*	*	120	8	6750	15350
3347	9	125	.	.	*	*	200	8	16000	20500
7315	9	75	.	.	.	.	60	2	4000	12000
7322	9	75	.	.	*	.	60	8	-	12000
7332	-	75	.	.	.	*	120	-	28400	18500
7333	-	150	.	.	.	*	240	-	30900	25850
7362	7	37.5	.	*	.	.	20.8	2	6000	19000
7372	7	75	*	*	*	.	60	8	22000	27000

* Denotes available

MAGNETIC TAPE CHARACTERISTICS

LINE PRINTERS

Explanation of Column Headings

Model	The line printer device model number.
Print Positions	The maximum number of characters which can be printed on a single line.
Speed	The maximum number of lines per minute at which the unit prints data for all characters in the minimum character set. The minimum character sets have 16 to 64 characters.
Lines per Minute/ Minimum Character Set	The maximum number of lines per minute at which the unit prints data in the full 64 character set.
Lines per Minute/ 64-character Set	The maximum number of lines per minute at which the unit prints data for all the characters in the full character set. The maximum character sets have more than 64 characters.
Lines per Minute/ Maximum Character Set	The purchase price of the controller. "NC" indicates there is no charge for the controller in excess of the printer unit price. "RPQ" indicates Request for Price Quotation.
Controller Price	The purchase price of a single printer unit.
Printer Unit Price	

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
BASIC FOUR						
3500	132	300/64	300	/96	-	11900
3500	132	300/64	300	-	-	11900
3600	152	600/64	600	/96	-	17900
3600	132	600/64	600	-	-	17900
913	132	300/64	300	/96	-	7900
913	132	300/64	300	-	-	7900
916	132	600/64	600	/96	-	13900
916	132	600/64	600	-	-	13900
BURROUGHS						
A/B9230-3	132	-	1040	-	2880	43500
A/B9240-1	132	-	475	-	1400*F	19500
F. CONTROL FOR B1714. CONTROL FOR B1726/1728, \$2,880.						
A/B9240-2	132	-	700	-	1500*F	31000
F. SEE A/B9240-1, NOTE F.						
A/B9247-2	120	400/48*B	-*C	/96*D	2000*F	19500
B. SIXTEEN-CHARACTER SET AVAILABLE REQUIRING ADDITIONAL TRAIN MODULE, \$3,500.						
C, D. REQUIRES ADDITIONAL TRAIN MODULE, \$3,500.						
F. CONTROL FOR B711.						
A/B9247-2	132	400/48*B	-*C	/96*D	2000*F	19500
B. SIXTEEN-CHARACTER SET AVAILABLE REQUIRING ADDITIONAL TRAIN MODULE, \$3,500.						
C, D. REQUIRES ADDITIONAL TRAIN MODULE, \$3,500.						
F. CONTROL FOR B711.						
A9245-16	132	-	300	-	1400	20000
A9245-19	132	-	40	-	1500	23000
A9249-1	132	90/48	-*C	-*D	625*F	6500
C. OPTIONAL 64-CHARACTER SET.						
D. OPTIONAL 96-CHARACTER SET.						
F. CNTRL-B700. CNTRL-B1712/1714, \$1,000.						

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
BURROUGHS (CONT.)						
A9249-2	132	180/48	-*C	-*D	1600*P	11200
C. OPTIONAL 64-CHARACTER SET.						
D. OPTIONAL 96-CHARACTER SET.						
F. CNTRL-B700. CNTRL-B1712/1714, \$1,000.						
A9249-3	132	120/48	-*C	-*D	-	-
C. OPTIONAL 64-CHARACTER SET.						
D. OPTIONAL 96-CHARACTER SET.						
A988	120	164/48	-	-	450	11200
B9240-4	120	-	475	-	3760	19500
B9240-4	132	-	475	-	3760	21500
B9240-5	120	-	700	-	3760	31000
B9240-5	132	-	700	-	3760	33000
B9242-1	120	-	860	-	3760	48575*G
G. PRINTER MEMORY, \$4,800.						
B9242-1	132	-	860	-	3760	50575*G
G. PRINTER MEMORY, \$,800.						
B9242-11	120	-	860	-	4800	50400*G
G. PRINTER MEMORY, \$4,800.						
B9242-11	132	-	860	-	4600	52400*G
G. PRINTER MEMORY, \$4,800.						
B9242-12, -13	120	-	725	-	4800	50400*G
G. PRINTER MEMORY, \$4,800.						
B9242-12, -13	132	-	725	-	4800	52400*G
G. PRINTER MEMORY, \$4,800.						
B9242-2, -3	120	-	725	-	3760	48575*G
G. PRINTER MEMORY, \$4,800.						
B9242-2, -3	132	-	725	-	3760	50575*G
G. PRINTER MEMORY, \$4,800.						
B9243-1	120	-	1100	-	3760	48850*G
G. PRINTER MEMORY, \$4,800.						

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
BURROUGHS (CONT.)						
B9243-1	132	-	1100	-	3760	50850*G
G. PRINTER MEMORY, \$4,800.						
B9243-11	120	-	1100	-	4800	50750*G
G. PRINTER MEMORY, \$4,800.						
B9243-11	132	-	1100	-	4800	52750*G
G. PRINTER MEMORY, \$4,800.						
B9243-12, -13	120	-	900	-	4800	50750*G
G. PRINTER MEMORY, \$4,800.						
B9243-12, -13	132	-	900	-	4800	52750*G
G. PRINTER MEMORY, \$4,800.						
B9243-2, -3	120	-	900	-	3760	48850*G
G. PRINTER MEMORY, \$4,800.						
B9243-2, -3	132	-	900	-	3760	50850*G
G. PRINTER MEMORY, \$4,800.						
B9246-2	132	-	1250	-	4800*P	65000
F. CONTROL FOR B3700/4700 SERIES. CONTROL FOR B6700/7700 SERIES, \$7,200.						
B9247-12	132	400/48	-*C	-*D	-	-
C. OPTIONAL 64-CHARACTER SET.						
D. OPTIONAL 96-CHARACTER SET.						
B9247-13	132	750/48	-	/96	-	-
B9247-14	132	1110/48*B	-*C	/96*D	9600	46500
B. SIXTEEN-CHARACTER SET AVAILABLE REQUIRING ADDITIONAL TRAIN MODULE, \$3,150.						
C, D. REQUIRES ADDITIONAL TRAIN MODULE, \$3,150.						
B9247-15	132	1500/48	-	850/96	-	-
B9247-3	120	750/48*B	610*C	/96*D	1800*P	33000
B, C, D. SEE A/B9247-2, NOTES B, C, D.						
F. CONTROL FOR B1726/1728, \$4,320; FOR B2700/3700/4700 SERIES, \$9,600.						
B9247-3	132	750/48*B	610*C	/96*D	1800*P	35000
B, C, D. SEE A/B9247-2, NOTES B, C, D.						
F. CONTROL FOR B1726/1728, \$4,320; FOR B2700/3700/4700 SERIES, \$9,600.						

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
CII						
410	132	400/64	400	400/64	-	-
412	132	200/64	200	200/64	-	-
413	132	600/64	600	600/64	-	-
70165	132	-	1200	-	-	-
70445	132	800/56	-	-	-	-
72444	-	-	-	-	-	-
COLLINS						
7943B	-	-	600	-	-	-
8852A-1	132	-	1000	-	-	-
COMPUTER AUTOMATION						
22107-06	80	-	150	-	-	4950
COMPUTER HARDWARE						
1103	-	600	-	-	-	13000
1103	-	600	-	-	-	18000
2103	132	400/48	300	200/96	-	-
COMPUTER TECHNOLOGY						
1.361/1	80	-	356	-	-	-
1.361/2	136	-	-	253/96	-	-
1.362/1	136	-	245	-	-	-
1.362/2	136	-	-	173/96	-	-
1.363	72	-	500	-	-	-
1.363	136	-	600	-	-	-

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
COMPUTER TECHNOLOGY (CONT.)						
1.364	20	-	190	-	-	-
1.364	132	-	57	-	-	-
8365	136	300/64	300	300/96	-	-
8366	136	300/64	600	600/96	-	-
CONTEN						
7405-00	-	-	300	-	-	13000
7405-01	-	-	-	240/96	-	14500
7406-00	-	-	100	-	-	16000
7406-01	-	-	-	480/96	-	17500
CONTROL DATA						
1740	-	-	-	-	-	-
1742	136	-	300	-	NC	14900
1742	136	1200/48	-	-	NC	50000
2570-1	136	-	300	-	-	-
2570-2	136	-	1200	-	-	-
512-1	136	1200/48	-	-	28620	47700
580-12	136	1200/48	-	-	-	-
580-16	136	1600/48	-	-	-	-
580-20	136	2000/48	-	-	-	-
DATA GENERAL						
	136	600/64	600	436/96	NC	18000
4034A	80	-	356	-	1600	11500

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
DATA GENERAL (CONT.)						
4034F	132	-	245	-	1600	16000
4034G	136	-	300	-	1400	8500
4034H	136	-	-	240/96	1400	10500
DATAPoint						
244	132	-	-	60/96	NC	6678
245	132	-	-	125/96	NC	8388
9260	600	-	600	-	-	16380
9261	600	-	-	600/96	-	18820
9280	300	-	300	-	-	12600
9281	300	-	-	300/96	-	14475
DATASAB						
2129	132	-	1250	-	7800*E	32800
E. CONTROLLER SUPPORTS TWO PRINTERS.						
2129	160	-	1250	-	7800*E	-
E. CONTROLLER SUPPORTS TWO PRINTERS.						
2182	132	-	600	-	7800*E	20800
E. CONTROLLER SUPPORTS TWO PRINTERS.						
DCC						
LE8-H	80	-	-	253/96	NC	13500
116434A	80	-	60	-	1335	2950
116434B	132	-	125	-	1335	6000
116434C	132	-	35	-	950	3600
116434D	132	-	300	-	270G	8500
116434E	132	-	600	-	2700	13900

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
DIGITAL COMPUTER (CONT.)						
116434H	132	-	60	-	1335	3300
DEC						
LE8-F	80	-	356	-	NC	12000
LE8-J	132	-	245	-	NC	17500
LE8-K	132	-	-	173/96	NC	19000
LE8-VA	132	-	300	-	-	10500
LE8-WA	132	-	-	230/96	-	12500
LP04 J. CONTROLLER AND PRINTER UNIT.	132	-	1250	-	-	31500*J
LP05 J. CONTROLLER AND PRINTER UNIT.	132	-	300	-	-	10500*J
LP08-MA	132	-	700	-	-	25000
LP08-MB	132	-	-	700/96	-	27000
LP08-RA	132	-	1250	-	-	34000
LP08-RB	132	-	-	1250/96	-	36000
LP10-F	132	-	1250	-	-	-
LP10-H	132	-	-	925/96	-	-
LP11-P	80	-	300	-	-	12000
LP11-H	80	-	-	300/95	-	13500
LP11-J	132	-	300	-	-	17500
LP11-K	132	-	-	300/95	-	19000
LP11-RA	132	1200/64	1200	-	-	34965
LP11-SA	132	925/96	-	925/96	-	39000
LP11-VA	132	300/64	300	-	-	11235
LP11-WA	132	230/96	-	230/96	-	13375

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions		Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
DEC (CONT.)							
LP15-F	80	-	356	-	-	NC	14000
LP15-H	80	-	-	-	253/96	NC	15500
LP15-J	132	-	245	-	-	NC	19500
LP15-K	132	-	-	-	173/96	NC	21000
LSP-10V	-	-	300	-	-	-	-
LSP10	132	-	245	-	-	-	-
LS11-A	132	-	60	-	-	-	5900
LV11-BA	132	500/96	-	-	500/96	-	13650
BAI							
1600	80	-	350	-	-	NC	12500
1611	132	-	245	-	-	NC	19500
1612	132	-	700	-	-	NC	23000
1613	132	-	1200	-	-	NC	35000
FERRANTI							
MP34	80	-	356	-	-	-	14679
MP35	136	-	245	-	-	-	21436
FOUR-PHASE							
8146	132	-	245	-	-	NC	24800
8147	132	-	-	-	173/96	NC	27500
8148	132	-	30	-	-	-	-
8151	132	-	700	-	-	NC	45000
8152	132	-	-	-	500/96	NC	47700

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
FOXBORO						
2711 H, J. SOLD ONLY WITH SYSTEM.	136	-	300	300/64	-*H	-*J
FUJITSU						
F325K/L	-	-	160	-	-	-
F326L	-	-	120	-	-	-
F642K/L	-	-	1500	-	-	-
F644	-	-	440	-	-	-
F647G/H	-	-	1890	-	-	-
F646K/L	-	-	400	-	-	-
F648L	-	-	170	-	-	-
F649A/B	-	-	900	-	-	-
F649K/L	-	-	900	-	-	-
F650D	-	-	2000	-	-	-
F651D	-	-	1600	-	-	-
641A	120	110/50	-	460/100	-	-
642A/B	136	-	500	500/128	-	-
643A/B	80	240/50	-	120/100	-	-
643C/D	136	240/50	-	120/100	-	-
646A/B	120	670/50	-	375/100	-	-
GENERAL AUTOMATION						
1353	132	-	600	-	2000	11900
1354	132	-	110	-	2000	8900

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions		Lines per Minute/ Minimum Character Set		Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
GENERAL AUTOMATIC (CONT.)							
1355	132	-	125	-	2000	9400	
3353-1000	132	-	600	-	2000	11900	
3354-1200	132	-	125	-	2000	5000	
3354-1200	132	-	200	-	2000	6500	
GRI							
9311	136	-	300	-	-	16910	
9312	136	-	-	200/96	-	19160	
9313	136	-	600	-	-	20485	
9314	136	-	-	480/96	-	22735	
HARRIS							
30118A D. \$500 FOR 128-CHARACTER SET.	132	-	200	/128*D	NC	9750	
30127A D. \$2,000 FOR 96-CHARACTER SET.	136	-	300	/96*D	NC	13500	
30128A D. \$2,000 FOR 96-CHARACTER SET.	132	-	1250	/96*D	NC	36000	
4030	132	-	200	-	NC	-	
4040	132	-	200	-	NC	12200	
4042-1	-	-	200	-	NC	8500	
4043-2	-	-	400	-	NC	13500	
4044-2	-	-	600	-	NC	18500	
4046-2	-	-	1000	-	NC	45000	
4050	132	-	400	-	NC	16000	
4060	132	-	600	-	NC	22250	

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
HARRIS (CONT.)						
4070	132	-	1000	-	-	60000
4110	136	300/64	300	-	-	-
4115	136	240/96	-	240/96	-	-
4120	136	600/64	600	-	-	-
4125	136	436/96	-	436/96	-	-
4130	136	900/64	900	-	-	-
4135	136	660/96	-	660/96	-	-
HEWLETT PACKARD						
12975A D. \$500 FOR 128-CHARACTER SET.	132	-	200	165/128*D	650	7675
12983	80	-	240	-	555	3145
12984A	80	-	356	-	650	13250
12987A D. \$1,675 FOR 96-CHARACTER SET.	136	-	300	240/96*D	650	10325
12996A D. \$1,675 FOR 96-CHARACTER SET.	136	-	600	436/96*D	650	15700
13053A D. \$1,900 FOR 96-CHARACTER SET.	132	-	1250	925/96*D	650	32300
2610A	132	-	200	-	-	14500
2610A	132	-	-	130/96	-	17000
2614A	132	-	600	-	-	31500
2614A	132	-	-	400/96	-	34000
2767A	80	-	300	-	-	11500
30108A	132	-	200	-	-	16500
30108A	132	-	-	150/96	-	19000
30109A	132	-	600	-	-	32000

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
HEWLETT PACKARD (CONT.)						
30109A	132	-	-	500/96	-	35000
30118A	132	-	200	/96	-	9750
30127A	136	-	300	/96	-	13500
30128A	132	-	1250	/96	-	36000
HITACHI						
A-241	-	-	110	-	-	-
A-241-12	132	430/112	-	430/112	-	-
A-242	-	-	220	-	-	-
A-243	-	-	430	-	-	-
A-243-11	132	300/112	-	300/112	-	-
H-1644-31	132	200/112	300	200/112	-	-
H-8246	132	1250/47	-	625/110	-	46800
H-8274	-	-	1000	-	-	-
H-8276	-	-	1500	-	-	-
H-8277	-	-	2000	-	-	-
241	132	-	-	100/110	-	12960
242	132	-	-	220/110	-	18160
243	132	-	-	430/100	-	28600
8244	132	-	300	150/110	-	23400
8245	132	600/51	-	300/110	-	32520

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
HOKUSHIN						
LLL01	80	253/96	1400	253/96	1000	18500
LLL02	132	-	1100	245/96	-	-
LL103	136	300/64	300	-	1000	20700
HONEYWELL						
PRT150	-	-	-	-	-	-
PRT201	136	1200/46	938	-	NC	57700
PRT203	132	1100/48	825	-	-	35400
PRT300	136	1150/48	1150	-	NC	75090
PRT301	132	-	300	-	NC	23090
PRT301	136	-	1150	-	NC	82620
PRT303	136	1150/48	-	-	-	60200
PRT401	-	-	1200	-	-	44415
PR00100	104	-	300	-	NC	15120
PR00100	120	-	300	-	NC	16420
PR00100	136	-	300	-	NC	17665
PR00110	96	-	100	-	-	8560
PR00210	126	-	200	-	-	14450
PR00301	132	-	300	-	-	23090
PR00400	120	-	400	/96	-	24580
PR00451	132	-	450	-	-	29760
PR00600	120	-	600	/96	-	32060
PR00800	120	-	800	-	-	37720

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
HONEYWELL (CONT.)						
PRU1100	-	-	1100	-	-	35400
PRU1100	-	-	1100	-	-	36820
PRU1200	136	1200/48	-	-	-	44420
PRU1200	136	1200/48	-	-	-	44420
PRU1600	136	1600/48	-	-	-	64940
PRU1600	136	1600/48	-	-	-	64940
RP0524	132	-	950	-	NC	16500
RP0525	132	-	950	-	NC	4500
RP0527	132	-	650	-	NC	12000
RP5521	132	-	300	-	NC	12000
RP5523	132	-	650	-	NC	36750
RP5525	132	-	950	-	NC	48700
RP5529	120	-	1100	-	2836	54559
RP5551	136	-	-	240/96	-	14000
RP5552	136	-	300	-	-	13000
RP5552	120	-	650	-	NC	36750
RP5565	132	-	300	-	NC	12000
RP5567	132	-	450	-	NC	21000
RP5568	132	-	950	-	NC	29500
RP5569	132	-	1100	-	NC	33000
RP5577	132	-	650	-	NC	25000
110	96	-	100	-	NC	8560
110	104	-	620	-	NC	22080
110	120	-	620	-	NC	23715

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
HONEYWELL (CONT.)						
110	136	-	620	-	NC	25350
112	120	-	300	-	NC	20250
112-2A	132	-	450	-	-	26820
112-3	120	-	650	-	-	35070
120	120	780/48	620	-	NC	32835
120	136	780/48	620	-	NC	36485
122	-	-	300	-	-	24570
122-1	-	-	450	-	-	20250
122-3	120	-	650	-	-	35070
122-4	120	950/42	620	-	NC	46200
122-6	120	1100/42	-	-	NC	51660
130	120	1100/48	830	-	NC	40175
130	136	1100/48	830	-	NC	43825
206	120	-	900	-	NC	33750
210	128	-	200	-	NC	14450
222-NA	132	-	450	-	NC	33120
222-3	120	-	650	-	NC	40500
222-3N	132	-	650	-	NC	40500
222-4	120	-	950	-	NC	57375
222-5	120	-	450	-	NC	30870
222-6	120	-	1100	-	NC	60975
222-7	120	-	300	-	NC	25410
229	120	400/56	-	-	NC	15500
451	132	-	450	-	NC	29760

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
HONEYWELL (CONT.)						
5515	96	-	200	-	2836	10700
5516	132	-	200	-	2836	10700
5518	132	-	450	-	2836	28130
5519	132	-	650	-	2836	38509
5520	120	-	300	-	2836	12840
5524	120	-	950	-	2836	52109
5526	120	-	450	-	2836	28130
5527	120	-	650	-	2836	38509
65	96	100/48	-	-	-	9520
65	96	200/48	-	-	-	14095
65	128	100/48	-	-	-	11180
651	132	-	650	-	NC	32800
70, 71	-	-	300	-	RPQ	RPQ
7050	-	-	300	-	RPQ	RPQ
IBM						
1053	-	-	-	-	-	1675
1132-1	120	80/48	-	-	NC	6195
1132-2	120	40/48	-	-	NC	3380
1403-N1	132	1100/48	-	-	7685*P	38140
P. NEEDED ONLY FOR USE WITH A SYSTEM/3 MODEL 10, 12 OR 15.						
1403-04	100	465/48	-	-	-	27980
1403-2	132	600/48	-	-	7685*P	22000
P. NEEDED ONLY FOR USE WITH A SYSTEM/3 MODEL 10, 12 OR 15.						
1403-5	132	465/48	-	-	7685*P	21070
P. NEEDED ONLY FOR USE WITH A SYSTEM/3 MODEL 12 OR 15.						

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
IBM (CONT.)						
1403-6	120	210/48	-	-	NC	18760
1403-7	120	600/48	-	-	NC	21140
1404-2 P. DEPENDENT ON CPU.	132	800/48	-	-	-*F	81790
1443-N1	120	240/52	-	-	NC	41000
1443-1	120	150/52	-	-	25010	18290
1443-2	120	240/52	-	-	25010	18400
1445-N1	113	190/56	-	-	NC	67570
2203-A1	120	750/13	-	-	NC	15360
2203-A1	120	300/63	-	-	NC	15360
2203-A2	120	600/13	-	-	NC	12100
2203-A2	120	230/63	-	-	NC	12100
3203-1	132	600/48	-	-	NC	36865
3203-2	132	1200/48	-	-	NC	46765
3203-4	132	1200/48	-	-	NC	46765
3211	132	2000/48	-	-	28080	74160
3288	132	120/64	120	80/120	-	12500
3288-2 P. DEPENDENT ON CPU.	132	-	120	-	-*F	12500
3717	132	155/48	120	-	NC	9323
3800	-*A	-*A	-*A	-*A	-*A	-*A
A. PRINTS ON PLAIN BOND PAPER UP TO 13,360 LPH;NON-IMPACT,LASER BASED PRINTER.						
5203-1	96	100/48	-	-	-	8240
5203-2	96	200/48	-	-	-	9185
5203-3	96	300/48	-	-	-	12800

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
ICL						
LP-1500	132	-	1500	-	-	-
TLP-300	132	-	300	-	-	-
TLP-500	132	-	500	-	-	-
1931,2401,2404	96	-	300	-	-	-
1931,2401,2404	120	-	300	-	-	-
1932, 2405	96	-	600	-	-	-
1932, 2405	120	-	600	-	-	-
1933	96	-	1350	-	-	-
1933	120	-	1350	-	-	-
1933	160	-	1350	-	-	-
2402	96	750/48	600	-	-	-
2402	120	750/48	600	-	-	-
2409/3	132	-	600	-	-	-
2410/3	132	-	150	-	-	-
2411/3	132	-	300	-	-	-
4550	-	-	-	-	-	-
INTERDATA						
M46-204, 205	132	-	200	-	500	5000
M46-207, 208	132	-	200	-	750	12350
M46-209, 210	132	-	600	-	750	17150
LINOLEX						
2604	132	-	125	/96	NC	6140

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
LOCKHEED						
351	80	-	356	-	1150	12000
352	132	-	245	-	1150	17000
356	132	-	135	-	850	7500
6768	132	-	600	-	-	13950
MICRODATA						
2731	-	-	-	-	-	-
2732	-	-	-	-	-	-
3731	60	-	356	-	NC	9750
3732	132	-	245	-	NC	12500
3733	132	-	300	-	NC	9500
3734	132	-	-	200/96	NC	10500
MODCOMP						
4211	132	-	600	-	NC	19100
4213	132	-	150	-	NC	8200
4214	132	-	300	-	NC	15200
NAHODATA						
N2443	132	350/16	200	150/128	-	-
N2444	132	450/16	300	160/128	-	-
N2445	132	900/16	600	370/128	-	-
N2446	132	1250/48	-	-	-	-

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
NCR						
349-050	-	-	100	-	-	6325
349-1	-	-	125	-	-	10000
349-100	132	-	125	-	-	10000
349-2	-	-	200	-	-	13000
349-200	132	-	200	-	-	13000
349-300	132	-	300	-	-	17000
640-102	132	900/52	450	-	14000	27500
640-122	132	-	200	-	-	-
640-132	132	600/51	300	-	-	-
640-200	132	3000/52	1500	-	14000	49000
640-205	132	3000/16*B	-	-	14000	36300
B. 1500 LPM FOR NUMERICS AND SEPARATORS.						
640-210	160	3000/52	1500	-	14000	53250
640-215	160	1500/51	-	-	14000	56050
640-300	132	-	1200	-	14000	38950
643-105	-	-	125	-	-	-
6440	132	-	-	-	-	4495
647-201	132	-	2000	-	-	45500
649-125	132	-	125	-	-	-
649-200	132	-	200	-	-	-
649-300	132	-	300	-	NC	24150
NIPPON						
C7001	-	-	100	-	-	-

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
NIPPON ELECTRIC (COM.)						
C7501	-	-	-	-	-	-
ND350	132	-	190	-	-	-
N7310	120	-	100	/62	NC	15600
N7310	132	-	100	/62	NC	15600
N7331-01	132	-	1000	500/111	14680*E	36680
E. CONTROLLER SUPPORTS TEN PRINTERS.						
N7331-02, -03	132	-	1000	800/111	14680*E	36680
E. SEE N7331-01.						
N7335-01	132	-	1400	700/111	14680*E	45360
E. SEE N7331-01.						
N7335-02, -03	132	-	1400	1090/111	14680*E	45360
E. SEE N7331-01.						
OKI						
434AA	-	-	400	-	-	-
435AA	-	-	1000	-	-	-
437G	-	-	220	-	-	-
736B	-	-	220	-	-	-
736D	-	-	1000	-	-	-
PHILIPS						
P810	60	-	356	-	1332	14890
P811-001	132	-	245	-	1332	22111
P812-001	132	-	670	-	1332	26132
PRIME						
3161	136	-	300	-	NC	15900
3191	136	-	300	-	NC	20900

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
PRIME (CONT.)						
3195	136	-	300	-	NC	40900
5022	-	-	-	1100/96	-	23000
5032	-	-	-	1800/96	-	35500
5041	-	-	300	-	-	12500
5042	-	-	-	240/96	-	14500
QANTEL						
5021	132	-	1100	-	-	21000
5022	132	-	-	1100/96	-	23000
5031	132	-	1800	-	-	33500
5032	132	-	-	1800/96	-	35500
5041	136	-	300	-	-	12500
5042	136	-	-	240/96	-	14500
RAYTHEON						
52302	132	-	1250	-	NC	29800
52303	132	-	1110	-	NC	17500
52304	80	-	1110	-	NC	12000
75421	132	-	245	-	NC	17500
75424	132	-	1000	-	NC	29800
75425	80	-	356	-	NC	12000
ROLM						
3335	80	-	1100	-	1500	11500
3336	80	-	356	-	1500	24000

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
SIEMENS						
2130-1	-	-	300	-	-	-
2130-2	-	-	1600	-	-	-
2136-53	-	-	960	-	-	-
243	132	1250/48	1600	-	-	-
3915	132	-	200	-	-	-
3916	136	-	400	-	-	-
4241	136	1300/40	1170	225/120	-	-
4242	160	1300/40	1170	225/120	-	-
4245	120	1600/48	-	170/94	-	-
4245	136	1600/48	610	170/94	-	-
4247	132	-	750	-	-	-
SINGER						
50	132	-	450	-	NC	16000
52	132	-	100	-	NC	9500
57	132	-	650	-	-	35000
SYSTEMS ENG. LAB.						
4360	132	-	200	-	-	-
4361, 6364	132	-	400	-	-	-
4362, 6366	132	-	600	-	-	-
6361	132	-	600	-	NC	26000
6362	132	-	600	-	NC	26000
9224	132	-	125	-	-	-
9225	136	-	300	-	-	-
9226	136	-	600	-	-	-

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
TELEFUNKEN						
SDR154	132	375/16	300	-	-	-
SDR176-1	160	1250/48	1000	-	-	-
SDR176-2 D. ALSO 625 LPH FOR 96-CHARACTER SET.	160	1250/16	-	550/115*D	-	-
153	120	-	300	-	-	-
366	160	-	1000	-	-	-
TOSHIBA						
LPZ3020A	136	-	-	360/109	-	-
LPZ4001A	136	-	-	240/96	NC	20400
UNIVAC						
0768-00	132	-	900	-	NC	50928
0768-00	132	1100/49	-	-	NC	-
0768-02	132	2000/10	-	890/94	NC	58320
0768-99	132	-	1200	-	NC	63216
0768-99	132	1600/43	-	-	NC	63216
0770-00	160	800/48	-	-	NC	56304
0770-02	160	1400/48	-	-	NC	64896
0770-04	160	2000/48	-	-	NC	86686
0773	120	500/48	400	217/128	-	-
0776-00	136	1090/24	600	115/384	NC	40800
0776-02	136	1250/24	750	150/384	NC	46080
758	132	-	1200	-	37296	51504
8242	132	-	625	-	-	45835

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
UNIVAC (CON1.)						
8242	160	-	625	-	-	61110
8243	132	-	1250	833/96	-	50925
8243	160	-	1250	833/96	-	66200
8246-050	132	450/48	-	-	-	74600
8246-100	132	750/48	-	-	-	76100
8246-200	132	1200/48	-	-	-	77600
VARIAN						
E-2119A	72	-	1250	-	NC	22000
E-2119A	132	-	700	-	NC	22000
E-2119E	132	-	1250	-	NC	28200
6701	72	-	460	-	NC	18500
6701	132	-	1100	-	NC	18500
6702	136	-	300	-	NC	9900
6721	136	-	300	-	NC	13200
6722	136	-	600	-	NC	16300
6723	136	-	600	-	NC	17500
77	132	-	245	-	-	15500
WANG						
2251	40	/96	-	/96	-	1100
XEROX						
3451	132	310/56	-	-	-	-
3461	132	-	300	-	NC	17000

LINE PRINTER CHARACTERISTICS

MODEL	Print Positions	Lines per Minute/ Minimum Character Set	Lines per Minute for 64-Character Set	Lines per Minute/ Maximum Character Set	Controller Price	Printer Unit Price
XEROX (CONT.)						
3463	132	-	700	-	NC	33000
3464	132	-	600	500/94	NC	35500
3465	132	1800/36	1250	-	NC	47480
3466	132	-	1200	925/95	NC	50600
7440	132	628/56	-	-	NC	35000
7441	132	1100/42	-	550/96	NC	46000
7442	132	-	-	550/91	NC	50000
7450	128	-	225	-	NC	22500
7746	132	1500/47	1200	-	NC	62000

LINE PRINTER CHARACTERISTICS

CARD EQUIPMENT

Explanations of Column Headings

Model	The card device model number.
Type	R = reader P = punch
Columns	The maximum number of columns on a card.
Reader Speed	The rate, in cards per minute, at which the full card is read by the unit.
Punch Speed	The rate, in cards per minute, at which the full card is punched by the unit.
Controller Price	The purchase price of the controller. "NC" indicates there is no charge for the controller in excess of the drive unit price. "RPQ" indicates Request for Price Quotation.
Card Unit Price	The purchase price of a single card unit.

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
BASIC FOUR						
4100	R	80	400	-	-	4450
4200	R	80	400	-	-	4950
4200	R	96	800	-	-	4950
BSL NORTHROP						
502	R	-	-	-	-	-
BURROUGHS						
A/B9115	R	80	300	-	900*E	4900
E. CONTROL FOR B1712/1714/1718. CONTROL FOR B1726/1728, \$2,160.						
A/B9116	R	80	600	-	1200*E	6890
E. CONTROL FOR B1712/1714/1718. CONTROL FOR B1726/1728, \$2,160.						
A/B9319-2	RP	96	300	60	1900*E	7990
E. CONTROL FOR B1712/1714. CONTROL FOR B1726/1728, \$2,332.						
A/B9319-4	RP	96	500	120	2300*E	11190
E. CONTROL FOR B1714. CONTROL FOR B1726/1728, \$3,628.						
A/B9419-2	RP	96	300	60	850*E	9490
E. CONTROL FOR B700 SERIES. CONTROL FOR B1712/1714 AND L8000, \$1,900; FOR B1726/1728, \$2,332.						
A/B9419-6	RP	96	300	60	850*E	11390
E. CONTROL FOR B700 SERIES. CONTROL FOR B1712/1714 AND L8000, \$2,100; FOR B1726/1728, \$2,332.						
A9114-1	R	80	200	-	750	2790
A9210-1	P	80	-	100	4320	12700
B9110	R	80	200	-	2592*E	8400
E. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$3,360.						
B9110	-	40	200	-	2592*E	8400
E. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$3,360.						

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
BURROUGHS (CONT.)						
B9111	R	80	800	-	2332*E 17550	
E. CONTROL FOR B1726/B1728. CONTROL FOR B2700 SERIES, \$2,592; FOR B3700/4700 SERIES; \$3,360; FOR B6700/7700 SERIES, \$4,200.						
B9111	R	40	800	-	2332*E 17550	
E. CONTROL FOR B1726/B1728. CONTROL FOR B2700 SERIES, \$2,592; FOR B3700/4700 SERIES; \$3,360; FOR B6700/7700 SERIES, \$4,200.						
B9111	R	51	800	-	2332*E 17550	
E. CONTROL FOR B1726/B1728. CONTROL FOR B2700 SERIES, \$2,592; FOR B3700/4700 SERIES; \$3,360; FOR B6700/7700 SERIES, \$4,200.						
B9111	R	60	800	-	2332*E 17550	
E. CONTROL FOR B1726/B1728. CONTROL FOR B2700 SERIES, \$2,592; FOR B3700/4700 SERIES; \$3,360; FOR B6700/7700 SERIES, \$4,200.						
B9111	R	66	800	-	2332*E 17550	
E. CONTROL FOR B1726/B1728. CONTROL FOR B2700 SERIES, \$2,592; FOR B3700/4700 SERIES; \$3,360; FOR B6700/7700 SERIES, \$4,200.						
B9112	R	80	1400	-	2332*E 23325	
E. SEE B9111, NOTE E.						
B9112	R	40	1400	-	2332*E 23325	
E. SEE B9111, NOTE E.						
B9112	R	51	1400	-	2332*E 23325	
E. SEE B9111, NOTE E.						
B9112	R	60	1400	-	2332*E 23325	
E. SEE B9111, NOTE E.						
B9112	R	66	1400	-	2332*E 23325	
E. SEE B.9111, NOTE E.						
B9113	R	80	475	-	2592*E 12480	
E. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$3,360.						
B9113	R	40	475	-	2592*E 12480	
E. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$3,360.						
B9113	R	51	475	-	2592*E 12480	
E. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$3,360.						

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
BURROUGHS (CONT.)						
B9113	R	60	475	-	2592*E	12480
E. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$3,360.						
B9113	R	66	475	-	2592*E	12480
E. CONTROL FOR B2700 SERIES, CONTROL FOR B3700/4700 SERIES, \$3,360.						
B9114-1	R	80	300	-	1000	2790
B9114-4	R	80	200	-	750	2790
B9117	R	80	800	-	2160*E	9000
E. CONTROL FOR B1726/1728. CONTROL FOR B2700/3700/4700 SERIES, \$3,150; FOR B6700/7700, \$4,200.						
B9119-1	R	96	300	-	850*E	3500
E. CONTROL FOR B700 SERIES. CONTROL FOR B1712/1714 AND L8000, \$900; FOR B1726/1728, \$2,332.						
B9210-1	P	80	-	100	4320*E	12000
E. CONTROL FOR B1712/1714. CONTROL FOR B1726/1728, \$2,332; FOR B2700 SERIES, \$2,592.						
B9212	P	80	-	150	2592*E	20640
E. CONTROL FOR B2700 SERIES. CONTROL FOR B3700/4700 SERIES, \$3,360.						
B9213	P	80	-	300	4320*E	25440
E. CONTROL FOR B1726/1728. CONTROL FOR B2700 SERIES, \$2,592; FOR B3700/4700 SERIES, \$3,360.						
595	R	80	300	-	-	-
CASCADE						
650	R	80	300	-	-	-
CENTURY						
570	R	-	300	-	-	3500

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
CII						
70140	R	80	1200	-	-	-
70160	P	80	-	300		
70165	P	80	-	60	-	-
70165	P	80	-	200	-	-
CINCINNATI MILACRON						
3040	R	80	600	-	-	4900
COLLINS						
8861A-1	R	80	1200	-	-	-
8861A-1	R	51	1600	-	-	-
8862A-1	P	80	-	250	NC	-
COMPUTER AUTOMATION						
22077-20	R	80	285	-	-	4425
223	R	80	285	-	600	3985
COMPUTER CONN.						
8057	R	-	300	-	-	-
COMPUTER TECHNOLOGY						
1.341/2	R	80	400	-	-	-
1.342/2	R	80	600	-	-	-
8341	R	80	400	-	-	-
8342	R	80	600	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
CONTEN						
7301	R	80	300	-	NC	-
7301-01	R	80	300	-	-	8000
7303	R	-	-	-	-	8000
CONTROL DATA						
1729-2	R	80	330	-	NC	7000
1729-3	R	80	300	-	NC	6000
2572-1	R	80	300	-	-	-
2572-2	R	80	600	-	-	-
405	R	80	1200	-	13K	24910
405	R	51	1600	-	13K	24910
415	P	80	-	250	24K	20140
430	RP	80	1000	500	9010	19080
DATA GENERAL						
4016C	R	80	150	-	1050	2000
4016D	R	80	285	-	1050	2900
4016E	R	80	400	-	1050	3900
4016F	R	80	600	-	1050	4100
4016G	R	80	1000	-	1050	5000
DATAPoint						
500	R	80	600	-	NC	4210
950 ⁴	R	80	300	-	-	5000

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
DATASAB						
2119	R	80	1500	-	4280	16400
2132	P	80	-	275	6280	13400
2135	R	80	800	-	4280	10600
2183	R	80	390	-	WC	5200
2330	R	80	1000	-	WC	9200
5710	R	80	390	-	-	-
DCC						
116416A	R	-	300	-	900	2950
116416B	R	-	300	-	900	3595
116416C	R	-	600	-	900	4100
116416D	R	-	150	-	900	2000
116435A	P	80	-	100	850	14250
DEC						
CD11-A	R	80	1000	-	-	12650
CD11-E	R	80	1200	-	-	17500
CMF-11 (A)	R	80	285	-	WC	6270
A. MARK SENSE AND PUNCH CARD READER.						
CM11-PA	R	-	285	-	-	-
CP10-A	P	80	200	-	WC	-
CR03-B	R	-	200	-	WC	6480
CR05	R	-	300	-	-	-
CR10-D	R	80	1000	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
DEC (CONT.)						
CR10-E	R	80	1200	-	-	-
CR10-F	R	80	300	-	-	-
CR11	R	80	285	-	-	5610
CR12	R	80	200	-	-	-
CR8	R	80	300	-	NC	4860
CR8-FA	R	-	300	-	NC	5100
DIGITAL SCIENTIFIC						
3463-2	R	80	600	-	NC	6950
3465-2	R	80	1000	-	NC	7950
EAI						
1500	R	-	300	-	NC	4500
FERRANTI						
MP36	R	-	300	-	-	4660
FOUR-PHASE						
8001	R	80	300	-	NC	5100
8003	R	80	600	-	NC	11250
FOXBORO						
2510	P	80	100	600	-*H	-*J
H, J. SOLD ONLY WITH SYSTEM.						
2523-B	R	80	400	-	-*H	-*J
H, J. SOLD ONLY WITH SYSTEM.						

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
FUJITSU						
F339A	R	-	47	-	-	-
F336A	R	-	100	-	-	-
F644K	R	-	800	-	-	-
F664	R	-	800	-	-	-
F666	R	-	300	-	-	-
F666S	R	-	300	-	-	-
F668D	R	-	2000	-	-	-
F668G	R	-	2000	-	-	-
F670A	R	-	600	-	-	-
F670B	R	-	600	-	-	-
F671D	R	-	1250	-	-	-
F687K	R	-	30	-	-	-
F690D	P	-	-	250	-	-
567K	R	80	100	-	-	-
664	R	80	560	-	-	-
664	R	80	800	-	-	-
665	R	80	800	-	-	-
665	R	90	800	-	-	-
666S	R	80	300	-	-	-
667	R	80	1000	-	-	-
682,683G/K,685	P	80	-	250	-	-
682,683G/K,685	P	90	-	250	-	-
687K	P	80	-	30	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
GENERAL AUTOMATION						
1313	P	80	-	100	3000	14000
1314	P	80	-	35	1500	9500
1315	R	80	300	-	2000	1700
1316	R	80	400	-	2000	2500
1317	R	80	600	-	2000	4000
1318	R	80	1000	-	2000	5000
3314	P	80	-	35	1000	9000
3315	R	80	300	-	1300	2400
3316	R	80	400	-	1300	3200
3317	R	80	600	-	1300	4700
3318	R	80	1000	-	1300	5700
GRI						
9401	R	96	300	-	-	3914
9402	RP	96	300	120	-	16125
9411	R	80	300	-	-	4785
HARRIS						
3010	R	-	300	-	NC	5000
3020	R	-	600	-	NC	7500
3030	R	-	1000	-	NC	10000
3110	R	80	300	-	-	-
3120	R	80	600	-	-	-
3130	R	80	1000	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
HARRIS (CONT.)						
3160	RP	-	500	100	NC	26000
3170	P	-	-	35	NC	11500
3172	P	-	-	35	NC	14500
HEWLETT PACKARD						
12985A	R	80	600	-	500	5165
12986A	R	80	300	-	1015	2760
12989A	RP	80	-	-	1250	11200
2761A	R	-	200	-	-	3900
2892A	R	-	600	-	500	5165
2894A	RP	80	200	75	-	11200
30106A	R	80	600	-	-	7160
30107A	R	80	1200	-	-	18540
30112A	P	80	-	250	-	32000
30119A	RP	-	200	75	NC	13500
HITACHI						
A-231	R	80	310	-	-	7800
A-232	R	-	180	-	-	-
H-8239-31	P	80	-	120	-	16200
H-8287-10	R	80	1000	-	-	19480
H-8288-10	R	80	1600	-	-	28560
H-8297	R	-	1000	-	9	-
H-8298	R	-	1600	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
HITACHI (CONT.)						
H-8299-31	P	-	-	120	-	-
H-9212	P	-	100	-	-	-
8233	R	80	750	-	-	20800
8234	P	80	-	100	-	20800
8235	P	80	-	250	-	35080
8238	R	80	1470	-	-	29960
8239	RP	80	400	100	-	23400
8239/21	R	80	400	-	-	13000
HOKUSHIN						
CR300	R	80	200	-	-	-
LLC01	R	80	300	-	-	-
LLC04	P	80	-	26	-	10800
LLC05	R	80	285	300	-	7700
HONEYWELL						
CCU0400	RP	80	400	100	-	25810
CCU0506	RP	96	500	120	-	15830
CCU1006	RP	96	1000	120	-	18190
CPP930	P	-	-	100	-	1500
CPZ100	P	-	-	100	HC	20600
CPZ201	P	-	-	300	HC	34000
CPZ300	P	-	-	400	-	17472

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
HONEYWELL (CONT.)						
CRD150	R	-	600	-	NC	15200
CRF930	R	-	300	-	NC	13800
CEP100	RP	80	300	300	NC	21510
CRU0300	R	80	300	-	-	5985
CRU0306	R	96	300	-	-	6600
CRU0500	R	80	500	-	-	7560
CRU0600	R	80	600	-	-	18200
CRU1050	R	80	1050	-	-	19240
CRU1050	R	80	1050	-	-	19240
CRU9101	R	80	300	-	-	3500
CRU9102 (A)	R	80	300	-	-	4400
A. MARK SENSE AND PUNCH CARD READER.						
CRU9103	R	80	500	-	-	3800
CRU9104 (A)	R	80	500	-	-	5700
A. MARK SENSE AND PUNCH CARD READER.						
CRZ100	R	-	300	-	NC	5760
CRZ201	R	-	900	-	NC	26800
CRZ301	R	80	1050	300	-	19240
PCU0040	P	-	-	-	-	4030
PCU0120	P	80	-	400	-	17470
PCU0120	P	80	400	-	-	1740
PCU0300	P	80	-	300	-	17470
RP0121	R	-	800	-	NC	3625
1006	RP	96	1000	120	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
HONEYWELL (CONT.)						
101	P	80	-	60	NC	11670
111	R	80	400	-	NC	8880
112	P	80	-	-	-	-
123 (A)	R	80	400	-	NC	9000
A. MARK SENSE AND PUNCH CARD READER.						
123-1	R	80	600	-	NC	11475
123-4	R	80	1050	-	NC	14490
1503	R	80	200	-	-	3360
1504	R	80	300	-	-	1970
1581	R	-	100	-	-	-
214-1	P	80	-	400	6750	14700
214-2	RP	80	400	400	6750	16800
223	R	80	800	-	NC	13500
223-2 (A)	R	80	1050	-	NC	15120
A. MARK SENSE AND PUNCH CARD READER.						
224-1	RP	-	300	270	-	19900
224-2	RP	-	400	360	-	21050
225C	R	-	1000	-	NC	19440
225D	R	-	1000	-	NC	20940
225K	P	-	-	100	NC	17170
225M	P	-	-	300	NC	32920
227	RP	80	800	250	-	35610
235	RP	-	1000	100	NC	19440
235	RP	-	1000	300	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
HONEYWELL (CONT.)						
300	P	80	-	400	-	17472
400	RP	-	100	400	-	24815
50	RP	80	200	40	-	6660
506	RP	96	500	120	-	-
51	R	80	300	-	-	10270
5100	R	80	300	-	RPQ	6420
5121	R	80	800	-	NC	9630
5122	R	-	1050	-	-	10700
5123	R	-	600	-	-	6420
5140	RP	80	400	100	RPQ	22256
5141	P	80	-	400	-	18190
5151	R	80	300	-	-	5000
5151, 5152	R	-	300	-	-	-
5152 (A)	R	80	300	-	-	6000
A. MARK SENSE AND PUNCH CARD READER.						
5162	R	-	600	-	NC	8000
5163	R	-	800	-	NC	9000
5164	R	-	1050	-	NC	10000
5172	RP	-	400	400	NC	19000
5176	P	-	-	400	NC	15150
5200	P	-	100	400	RPQ	RPQ
65	R	-	200	-	RPQ	RPQ
66	P	-	-	100	RPQ	RPQ

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
IBM						
1034	P	-	-	-	-	16580
1056	R	80	-	-	2270	3045
1282	P	80	200	-	NC	64080
1442-B1	RP	80	400	120	NC	19990
1442-B2	P	80	-	120	1145	14280
1442-5	R	80	-	91	NC	9120
1442-6	RP	80	300	50	NC	11110
1442-7	RP	80	400	91	NC	11970
2501-A1	R	80	600	-	NC	12330
2501-A2	R	80	1000	-	NC	12550
2501-B1	R	80	600	-	-	16310
2501-B2	R	80	1000	-	-	16570
2502-A1	R	80	150	-	NC	6160
2502-A2	R	80	300	-	NC	6680
2502-A3	R	80	400	-	-	6880
2520-A1	RP	60	500	500	NC	35380
2520-A2	P	80	-	500	NC	31630
2520-A3	P	80	-	300	NC	31410
2520-B1	RP	80	500	500	NC	44420
2520-B2	P	80	-	500	-	39340
2520-B3	P	80	-	300	-	39010
2540	RP	80	1000	300	-*E	36920
E. CONTROLLER PRICE, \$41,770.						

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
IBM (CONT.)						
2560-A1	RP	80	500	91	NC	21230
2560-A2	RP	80	310	65	NC	15590
2596	RP	96	500	120	NC	31290
3504-A1	R	80	800	-	NC	21210
3504-A2	R	80	1200	-	NC	22250
3505-B1	R	80	800	-	NC	29940
3505-B2	R	80	1200	-	NC	30980
3525-P1	P	80	-	100	-	21210
3525-P2	P	80	-	200	-	22040
3525-P3	P	80	-	300	-	22870
3781	P	80	-	91	NC	8907
5424-A1	RP	96	250	60	NC	7810
5424-A2	RP	96	500	120	NC	10340
5425-A1	RP	96	250	60	NC	15560
5425-A2	RP	96	500	120	NC	18960
ICL						
CP-100	P	80	-	100	-	-
CR-1200	R	80	1200	-	-	-
CR-2000	R	80	2000	-	-	-
TCR-300	R	80	300	-	-	-
1911	R	80	900	-	-	-
1912, 2102, 2105	R	80	300	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
ICL (CONT.)						
1920/2	P	80	-	100	-	-
1922	P	80	-	33	-	-
1951	P	80	-	300	-	-
2101	R	80	1200	-	-	-
2101	R	80	1600	-	-	-
2101	R	80	2000	-	-	-
2103	R	40	600	-	-	-
2104/1, 2106	R	80	600	-	-	-
2108/2	R	80	300	-	-	-
2151	P	-	-	300	-	-
4520	-	-	-	-	-	-
INTERDATA						
M46-230	R	-	400	-	900	3000
M46-236	R	-	1000	-	900	5900
M46-238	R	80	400	-	990	3060
M46-244	R	80	1000	-	990	6500
INTERTECHNIQUE						
H-1701	R	80	400	-	-	-
LINOLEX						
2801	R	80	400	-	NC	3514
2801	R	96	600	-	NC	4744

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
LOCKHEED						
6734	R	80	285	-	-	3000
NCH						
PNR-400	R	80	400	-	-	3700
MICRODATA						
2720	R	80	300	-	-	3750
3720	R	80	300	-	NC	3750
MODCOMP						
4411	R	80	300	-	NC	5200
4412	R	60	1000	-	NC	10200
4421	P	80	-	100	NC	31200
4426	P	-	-	60	NC	16200
MANODATA						
M0200	R	80	200	-	-	4586
M0900	R	80	1000	-	-	8261
M2456	RP	80	400	160	4426	22214
M600	R	80	600	-	1245	4750
NCR						
366	R	80	300	-	-	5000
378	P	80	-	26	-	8000
680-100	R	80	300	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
NCR (CONT.)						
680-201	R	80	1200	-	NC	32500
682-100	R	-	300	-	-	-
682-101	R	-	300	-	-	-
682-300	R	-	300	-	-	12500
684-101	RP	-	500	460	-	25830
684-301	P	-	-	460	-	22860
686-102	RP	80	800	294	NC	24000
686-111	RP	80	560	180	NC	20500
686-201	R	80	750	-	NC	14750
686-301	P	80	-	100	NC	15500
686-302	P	80	-	240	NC	20500
686-311	P	80	-	180	NC	14750
NIPPON						
C61-1	R	-	-	-	-	-
C76-1	R	-	100	-	-	-
MD20F	R	80	300	-	-	-
MD970	R	-	105	-	-	-
N7410	R	80	100	-	NC	6560
N7441	R	80	800	-	15K*E	20000
E. CONTROLLER SUPPORTS TEN CARD UNITS.						
N7471-01	P	80	-	400	15K*E	22680
E. SEE N7441.						
N7491	RP	80	400	400	15K*E	32000
E. SEE N7441.						
N7745-01	R	80	1050	-	15K*E	22000
E. SEE N7441.						

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
OKI						
465P	R	-	100	-	-	-
465G	R	-	200	-	-	-
467A	P	-	-	85	-	-
469A	R	-	600	-	-	-
469AA	R	-	600	-	-	-
765AA	P	-	-	85	-	-
765B	P	-	-	85	-	-
OLIVETTI						
CR 300	R	-	-	-	-	-
PSK 40	P	-	-	-	-	-
UL 550	R	-	-	-	-	-
PHILIPS						
P806, P807	R	80	285	-	764	4582
P806-102	R	-	300	-	-	4918
PRIME						
3141	R	80	300	-	HC	5000
3181	RP	80	400	285	HC	25000
3191	R	80	300	-	HC	20900
3195	RP	80	400	285	HC	40900
QANTTEL						
5301	R	80	500	-	HC	4150

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
RAITHEON						
52101	R	80	300	-	NC	4000
52102	R	80	1000	-	NC	6500
52103	P	80	400	-	NC	22000
75413	P	80	100	-	NC	22000
75414	R	80	300	-	NC	4000
75417	R	80	1000	-	NC	6500
ROLM						
3338	R	80	300	-	1750	2700
3339	R	-	400	-	-	-
SIEMENS						
234	P	80	-	100	-	-
236	P	80	-	300	-	-
237	R	80	1430	-	-	-
3931	R	80	500	-	-	-
3936	P	80	-	35	-	-
4235	R	80	600	-	-	-
4235	R	90	600	-	-	-
4238	P	-	-	293	-	-
4239-10	R	-	1000	-	-	-
4239-20	R	-	1000	-	-	-
95045	R	-	600	-	-	-
95260	P	-	-	600	-	-
95261	P	-	-	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
SINGER						
30	R	80	300	-	NC	6000
31-10	R	80	300	-	NC	6250
31-10	R	80	600	-	NC	9750
31-10	R	80	1000	-	NC	10750
35	P	80	-	100	NC	9000
SYSTEMS ENG. LABS.						
4211A	R	80	400	-	-	-
4215, 6212A	R	80	1000	-	-	-
6210A	R	80	400	-	-	-
6211	R	-	300	-	NC	6500
6212	R	-	1000	-	NC	12500
6212A	R	80	1000	-	-	-
6221	RP	80	500	100	NC	34000
9210	R	80	285	-	-	-
9211	R	80	1000	-	-	-
9217	RP	80	200	75	-	-
9218	RP	80	200	75	-	-
9219	P	80	-	100	-	-
TELEFUNKEN						
LKL720	R	80	1200	-	-	-
LKS145, 150	P	80	-	250	-	-
072	P	80	-	100	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
TELEFUNKEN (CONT.)						
240	P	80	400	-	-	-
480	RP	80	800	250	-	-
706	R	80	400	-	-	-
TEXAS INSTRUMENTS						
216756	P	80	-	100	500	15700
217185	P	80	-	100	500	15700
966313	R	80	300	-	500	2700
966322	R	80	300	-	500	2700
TOSHIBA						
CRZ3020A	R	80	300	-	-	-
CRZ4001A	R	80	180	-	NC	6000
CRZ4001A	-	90	180	-	NC	-
UNIVAC						
0604-00	P	80	-	200	NC	14160
0604-99	P	80	-	250	NC	22234
0605	P	80	-	75	-	-
0711-00	R	80	400	-	NC	6288
0711-00	R	90	400	-	NC	6718
0711-02	R	80	600	-	NC	8304
0711-02	R	90	600	-	NC	8734
0716	R	80	1000	-	NC	15504
0717	R	80	500	-	-	-

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type ¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
UNIVAC (CONT.)						
0717	R	66	-	-	-	-
0717	R	51	-	-	-	-
600	P	80	-	300	36K	25200
603	P	80	-	75	NC	7872
706-97	R	80	900	-	36K	19344
8232	R	51	300	-	-	18585
8232	R	80	300	-	-	18585
8234	P	80	-	100	-	22945
8236	P	80	-	300	-	44100
8237	R	80	1435	-	-	33130
VARIAN						
E-2382	R	-	1000	-	NC	8000
E-2383	P	-	1000	200	NC	25000
E-2747	R	-	600	-	NC	6500
620-27	P	80	-	35	-	-
620-28	R	80	300	-	-	-
6200	R	80	300	-	NC	4500
6201	P	80	-	35	NC	11500
WANG						
2234A	R	80	300	-	NC	4000
2244A	R	80	300	-	NC	4800

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

MODEL	Type¹	Columns	Reader Speed Cards per Minute	Punch Speed Cards per Minute	Controller Price	Card Unit Price
XEROX						
7121	R	80	200	-	NC	7500
7122	R	80	400	-	NC	12000
7140	R	80	1500	-	-	-
7160	P	80	-	300	NC	32000
7165	P	80	-	100	NC	19600

¹Type: R = reader P = punch

CARD EQUIPMENT CHARACTERISTICS

SOFTWARE OPERATING SYSTEMS

Explanation of Categories

MARKETING

Latest Release	The month and year of the most recent operating system update.
First Installed	The month and year when the operating system was first installed at a customer's site.
Current Users	The number of customer sites where the operating system is installed.

CHARACTERISTICS

OS Type	A description of the operating system type, and the number of memory partitions if applicable. (Batch-oriented and/or interactive.)
Memory Management	The operating system's supervision of storage. (Single-user, relocations, or virtual.)
Simultaneous Users	The number or user-terminals which the operating system will support concurrently.
Programs in Package	The number of general purpose applications programs which are available to the operating system user.
Languages	The list of languages supported by the operating system (e.g. COBOL, FORTRAN, RPG, PL/I.)
Compatibility	The computers on which the operating system will run, indicated by manufacturers and model numbers.
Main Memory	The amount of memory and/or mass storage necessary to support the operating system.
Communications	The transmission discipline (e.g. synchronous, asynchronous.)
Peripherals	Any peripherals required by the operating system, indicated by model number, capacity and/or speed.
System Type	Defines the operating system as either multi-processing or multiprogramming.

Diagnostics	Indicates the availability of software routines within the operating system which diagnose system failures in real time (e.g. a memory parity error.)
Debugging Tools	The availability of software routines which aid the user of the operating system when coding and executing application programs.

PRICES

Documentation	The price of user instructions for maintaining the operating system.
Training	The cost to train personnel, either on-site or at the manufacturer's facility.
Purchase	A one-time charge for the operating system.
Lease	The operating system's lease price and duration.
Maintenance	If maintenance is required, the cost per month is indicated.

OS NAME: ARBAT SYSTEMS AIMS-11

AIMS-11 (Interactive Multi-user System) is a real-time operating system with a system programming extension. AIMS-11 is an interpretive system compatible with Digital Equipment Corporation's Disk Operating System (DOS). Designed specifically for the DEC PDP-11, AIMS-11 supports a wide range of PDP-11 peripherals. It is a multi-user system, employing keyboard display devices for input/output activity.

MARKETING

Latest Release: 6/76
First Installed: 5/72
Current Users: 20

Communications: Asynchronous
Peripherals: Any standard DEC disk

System Type: Multiprogramming
Diagnostics: Self reporting system
Debugging tools: Interactive aids

CHARACTERISTICS

OS Type: Interactive timesharing
Memory Management: Virtual
Simultaneous Users: 127
Programs in Package: 50

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: BASIC

Compatibility: Any DEC PDP-11

Main Memory: 24K

OS NAME: ARTRONIX DOS/PC

ARTRONIX DOS/PC is the operating system for the largest PC-12 systems. DOS/PC features the Disk Pack Mass Storage System, compatibility with ARTRONIX OS/PC, logical unit device independence and total file interchangeability.

MARKETING

Latest Release:
First Installed:
Current Users:

Communications: syn, asyn
Peripherals: Disk Pack, CRT

System Type: Multiprogramming
Diagnostics:
Debugging tools:

CHARACTERISTICS

OS Type: Interactive
Memory Management: no relocations
Simultaneous Users:
Programs in Package:

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: MUMPS, FORTRAN

Compatibility: ARTRONIX PC-12

Main Memory: 8K

SOFTWARE OPERATING SYSTEMS

OS NAME: ARTRONIX LTOS
LTOS (LINCtape Operating System) provides the Artronix PC-12 user with a keyboard programming system including editing, assembling, and file handling. LTOS is upward compatible to OS/PC, the PC-12 Operating System. All programs are directly transferrable and may be run under the OS/PC, excepting program return to the operating system.

MARKETING	Communications: syn
Latest Release:	Peripherals: Linc, Tape, CRT
First Installed:	
Current Users:	System Type: Multiprogramming
	Diagnostics:
	Debugging tools:
CHARACTERISTICS	
OS Type: Interactive	
Memory Management: No relocations	PRICES
Simultaneous Users:	Documentation:
Programs in Package:	Training:
	Purchase:
Languages: MUMPS, FORTRAN	Lease:
	Maintenance:
Compatibility: ARTRONIX PC-12	
Main Memory: 4K	

OS NAME: ARTRONIX OS/PC
ARTRONIX OS/PC is an operating system designed for expanded PC-12 computer systems with LINCmass storage. OS/PC features a modular structure, consisting of a Resident Monitor, Command Monitor, System index, Linking loader, Library Subprograms, and user adaptability by adding or deleting modules.

MARKETING	Communications: syn, asyn
Latest Release:	Peripherals: LINCtape, CRT
First Installed:	
Current Users:	System Type: Multiprogramming
	Diagnostics:
	Debugging tools:
CHARACTERISTICS	
OS Type: Interactive	
Memory Management: No relocations	PRICES
Simultaneous Users:	Documentation:
Programs in Package:	Training:
	Purchase:
Languages: MUMPS, FORTRAN	Lease:
	Maintenance:
Compatibility: ARTRONIX PC-12	
Main Memory: 8K	

SOFTWARE OPERATING SYSTEMS

OS NAME: BASIC/FOUR BOSS

The Basic Four Operating System (Boss) is a real-time interactive software system for use with Basic Four 350, 400, 500 and 600 computers. BOSS was designed to support an extended BASIC called Business BASIC, and all applications and utility programs are written in Business BASIC. Business BASIC was created by adding system-oriented I/O Control, formatted I/O, datafile management, and decimal arithmetic capability to standard Basic.

MARKETING

Latest Release: 8/76
First Installed: 8/71
Current Users: 3000 (8/76)

CHARACTERISTICS

OS Type: Interactive, 8 partitions
Memory Management: No relocations
Simultaneous Users: 8
Programs in Package: 35+

Languages: Business BASIC

Compatibility: Basic/Four -
Models 350, 400, 500, 600
Main Memory: 16K

Communications: asyn, bisyn
Peripherals: CRT, Printer, Disk

System Type: Multiprogramming
Diagnostics: yes
Debugging tools: On-line debug program

PRICES

Documentation: Included
Training: Included
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

OS NAME: BURROUGHS CM 80 MCP

Burroughs Master Control Program (MCP) is a comprehensive operating system for Burroughs 80 systems for business and communications applications. CM 80 MCP includes multi-programming, random access disk file storage, and accepts source programs in COBOL, RPG, NDL, and MPL II.

MARKETING

Latest Release:
First Installed:
Current Users:

CHARACTERISTICS

OS Type: Interactive
Memory Management: no relocations
Simultaneous Users:
Programs in Package:

Languages: COBOL, RPG, NDL, MPL II

Compatibility: Burroughs 80 systems

Main Memory:

Communications:
Peripherals: Disk, Console printer

System Type: Debugging utilities
Diagnostics: Debugging utilities
Debugging tools:

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

SOFTWARE OPERATING SYSTEMS

OS NAME: BURROUGHS MCP (Master Control Program)

Burroughs advanced Master Control Program is an operating system for B80 Systems. It functions in complete integration with B80 logic to simplify system operation and control, provide automatic multiprogramming, centralize I/O control, permit the use of high-level, user-oriented programming languages, and to accommodate future growth without reprogramming.

MARKETING

Latest Release: 7/76
First Installed: N/A
Current Users: N/A

Communications: B 80 to B80
Peripherals: Burroughs Super Mini-Disk
Or Cartridge Disk
System Type: Multi-programming
Diagnostics: Error handling
Debugging tools: N/A

CHARACTERISTICS

OS Type: Batch
Memory Management: Virtual memory
Simultaneous Users: 1
Programs in Package: 5

PRICES

Documentation: Included
Training: Included
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

Languages: COBOL, RPG, NDL, MPL II

Compatibility: All Burroughs 80 systems

Main Memory: 32KB

OS NAME: CINCINNATI MILACRON CIMOS

The Cincinnati Milacron CIMOS is an operating system designed for small business computers. CIMOS features a full set of utility programs, supports up to 25 simultaneous users entering data and has a Text Editor to simplify on-line editing. An additional feature of CIMOS is a multiple Video Display Terminal handler (VDT) which supervises the orderly operation of a variety of CRT devices.

MARKETING

Latest Release: 2/76
First Installed: 6/73
Current Users: 112 (5/76)

Communications: IBM 2780 discipline
Peripherals: IOMEC Disk (5MB or 10MB)

System Type: Multiprogramming
Diagnostics: yes
Debugging tools: Resident diagnostic sys.

CHARACTERISTICS

OS Type: Interactive, 2 partitions
Memory Management: no relocations
Simultaneous Users: 25
Programs in Package: 16

PRICES

Documentation: Included
Training: \$375
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

Languages: RPG II

Compatibility: Cincinnati Milacron -
Models CIP/2200B and CIP/4400
Main Memory: 32KB

SOFTWARE OPERATING SYSTEMS

OS NAME: CINCINNATI MILACRON CIMOS-22

CIMOS-22 is an operating system designed for the Cincinnati Milacron CIP/2200B minicomputer for process control or general business applications. CIMOS-22 is a disk-oriented system, offers RPG II and assembler languages, two methods of data entry, multiprogramming, sequential, random, or indexed files, and a wide range of peripherals.

MARKETING

Latest Release:

First Installed:

Current Users:

CHARACTERISTICS

OS Type: 2 part. interac. & batch

Memory Management: no relocations

Simultaneous Users:

Programs in Package:

Languages: RPG II, Assembler

Compatibility: Cincinnati Milacron

CIP/2200 B

Main Memory:

Communications:

Peripherals: Disk, Mag. Tape, Paper Tape,

VDT, Card Read/Punch, Line Printer

System Type: Multiprogramming

Diagnostics:

Debugging tools:

PRICES

Documentation:

Training:

Purchase:

Lease:

Maintenance:

OS NAME: COMPUTER AUTOMATION OS

The Computer Automation OS is a software system which facilitates assembly and batch execution of user programs. OS was designed to work in a mass-storage environment, and features include device independence, debugging tools, and language processing. OS provides automatic control of job sequencing, input / output on a logical unit basis, a system program library, file management with sequential and random access methods, and on-line operator communication with the host computer.

MARKETING

Latest Release: 4/76

First Installed: 2/73

Current Users:

CHARACTERISTICS

OS Type: 1

Memory Management: Single user

Simultaneous Users: 1

Programs in Package: 15

Languages: Macro Assembler,

Assembler, FORTRAN IV, BASIC

Compatibility: Computer Automation

ALPHA LSI-2 and ALPHA 16

Main Memory: 16K

Communications:

Peripherals: ASR 33 and, Floppy or

Moving-head Disk, or Mag Tape

System Type: Batch Single Job Stream

Diagnostics: Central Error Message Proc.

Debugging tools: Interactive debugging program.

PRICESDocumentation: Included^a

Training: 5 Day Course - \$300.

Purchase: \$1,900 - \$2,000

Lease: N/A

Maintenance: No Charge

^aDocumentation on distribution media included (Disk, Diskette or Paper Tape).

SOFTWARE OPERATING SYSTEMS

OS NAME: COMPUTER AUTOMATION SYCLOPS

The Concurrent Logic Operating System (SYCLOPS) is a virtual storage operating system designed for Computer Automation's SYFA Distributed Processing System for business applications. It accommodates up to 24 local and remote information station terminals for the simultaneous execution of up to 24 foreground applications, 16 background utility programs, 1 emulator and 2 printer spooling tasks, for a total of 43 concurrent functions. Sy-clops also features OVERLAY processing verification for error detection.

MARKETING

Latest Release:

First Installed:

Current Users:

Communications: syn

Peripherals: Disk, Printer, VDT

System Type: Multiprogramming

Diagnostics: OVERLAY

Debugging tools:

CHARACTERISTICS

OS Type: Interactive

Memory Management: Virtual

Simultaneous Users: 24

Programs in Package: 43

PRICES

Documentation:

Training:

Purchase: \$2,500

Lease:

Maintenance:

Languages: BASIC, FORTRAN, SYBOL

Compatibility: Computer Automation Syfa

Main Memory: 16K

OS NAME: COMTEN SUPERVISOR

Supervisor is the executive system which controls and maintains an orderly flow of work through the Comten Communications Systems. The Supervisor ensures efficiency by overlapping the computer and I/O tasks of several programs while providing concurrent, a multi-sequential task operation on a priority basis. The Supervisor has a dynamic job priority scheme, a complete array of executive utility routines resident on the system disk (called via operator control), and can accept unsolicited commands for the operator at run time.

MARKETING

Latest Release:

First Installed: 8/69

Current Users:

Communications: syn, asyn, bisyn

Peripherals: Disk 6214, Console

System Type: Multiprogramming

Diagnostics: None

Debugging tools: On-line debug utilities

CHARACTERISTICS

OS Type: Interactive, to 15 part.

Memory Management: No relocations

Simultaneous Users: Oper. dependent

Programs in Package: 20+

PRICES

Documentation: Included

Training: 1wk-\$40/student/day

Purchase: Included in system cost

Lease: N/A

Maintenance: Included

Languages: CODEL Assembler

Compatibility: COMTEN 476

Main Memory: 32K

SOFTWARE OPERATING SYSTEMS

OS NAME: DATA GENERAL MRDOS

Mapped Real-time Disc Operating System is a disc operating system that features memory mapping, MRDOS supports a wide variety of real-time multi-user, and batch processing applications. An important feature of MRDOS is its ability to perform dual operations concurrently. By incorporating dynamic memory allocation to give users the effect of dual computer systems, MRDOS techniques surpass foreground/background programming techniques. MRDOS has all the features of RDOS plus background checkpointing and user program swapping, chaining, and overlying.

MARKETING

Latest Release: 5/76
First Installed: 4/73
Current Users: N/A

Communications: syn, asyn, bisyn^b
Peripherals: Console, 512KB Disk, R-T
Clock, Memory Allocate + Protect unit
System Type: Dual programming
Diagnostics: no
Debugging tools: Interactive debugger

CHARACTERISTICS

OS Type: Batch interactive, 2 part.
Memory Management: dual user^a
Simultaneous Users: Oper. dependent
Programs in Package:

PRICES

Documentation: Included
Training: \$325/wk
Purchase: Included in system cost
Lease: N/A
Maintenance: \$400/year

Languages: FORTRAN IV, V, BASIC,
COBOL, RPG II, ALGOL, Assembler
Compatibility: NOVA 3, 830, ECLIPSE
S/200, ECLIPSE C/300 and C/3300
Main Memory: 64KB

OS NAME: DATAGENERAL RDOS

Real-time Disc Operating System (RDOS) is an operating system which supports real-time and interactive program development in user-oriented environments. Features include foreground/background processing, multi-tasking monitor, multiprocessor support, RTOS and SOS program compatibility, and intertask communications. An Operator Communications Package (OPCOM) allows the task environment to be monitored and modified from the console. In addition, an interactive, free-form Command Line Interpreter (CLI) accepts operator commands from the console keyboard.

MARKETING

Latest Release: 5/76
First Installed: 9/71
Current Users: N/A

Communications: syn, asyn, bisyn^a
Peripherals: Console (CRT, Teletype, or
other) 512KB Disk, Real-Time Clock
System Type: Dual programming
Diagnostics: no
Debugging tools: Interactive debugger

CHARACTERISTICS

OS Type: Batch interactive, 2 part.
Memory Management: dual user
Simultaneous Users: Oper. dependent
Programs in Package:

PRICES

Documentation: Included
Training: \$325/week
Purchase: Included in system cost
Lease: N/A
Maintenance: \$350/year

Languages: FORTRAN IV, 5, BASIC,
ALGOL, COBOL, Assembler
Compatibility: 32KB

Main Memory:

^aDual user with dynamic virtual memory management.

^bRJE: 80 is a 2780/3780 emulator.

SOFTWARE OPERATING SYSTEMS

OS NAME: DATA GENERAL RTOS

Real-Time Operating System (RTOS) is a general purpose core-resident multi-task operating system that controls a wide range of real-time applications. RTOS provides system functions that schedule the execution of tasks. As a modular re-entrant software system, RTOS provides the user with a library of modules for system processing, task processing, and device processing. Features include inter-task communication/synchronization, program compatibility with RDOS/MRDOS and SOS, and disk-file compatibility with RDOS/-MRDOS.

MARKETING

Latest Release: 3/76
First Installed: 9/71
Current Users: N/A

Communications: syn, asyn, bisyn^a
Peripherals: Real-time clock

System Type:
Diagnostics: None
Debugging tools: Interactive debugger

CHARACTERISTICS

OS Type: Batch, 1 partition
Memory Management: Single user
Simultaneous Users: 1
Programs in Package:

PRICES

Documentation: None
Training: \$325/wk
Purchase: Included in system cost
Lease: N/A
Maintenance: \$100/year

Languages: FORTRAN, Assembler

Compatibility: All Data General
computers
Main Memory: 16KB

OS NAME: DATA GENERAL SOS

The Data General Stand-alone Operating System (SOS) is an easy to use, compact operating system that provides a full complement of utility programs for Data General computers. Any Data General computer with an ASR Teletype is sufficient hardware to compile, assemble, edit and execute programs under SOS. Features include paper, magnetic or cassette tape support, RDOS/MRDOS and RTOS compatibility, and device independence.

MARKETING

Latest Release: 8/75
First Installed: 3/73
Current Users: N/A

Communications: syn, asyn, bisyn^a
Peripherals: Console (CRT, Teletype, or other)

System Type:
Diagnostics: None
Debugging tools: Interactive debugger

CHARACTERISTICS

OS Type: Batch
Memory Management: Single user
Simultaneous Users: 1
Programs in Package:

PRICES

Documentation: None
Training: \$150/2 days
Purchase: Included in system cost
Lease: N/A
Maintenance: \$100/year

Languages: FORTRAN IV, BASIC,
Assembler

Compatibility: All Data General
computers
Main Memory: 16KB

^aRJE: 80 is a 2780/3780 emulator.

SOFTWARE OPERATING SYSTEMS

OS NAME: DATAPOINT CTOS

The Datapoint Cassette Tape Operating System (CTOS) is an interactive software system which enables the user to create, debug, and execute programs utilizing any Datapoint processor with cassettes and at least 8K of user memory. A file structure for cassettes is defined so that programs may be catalogued onto the CTOS tape. The operating system is designed to be overlaid by application programs that do not utilize all of the subroutines contained in the system library.

MARKETING

Latest Release: 10/72
First Installed:
Current Users: N/A

Communications: asyn, syn to 9600 baud
Peripherals: None required

System Type:
Diagnostics: yes, diagnostic programs
Debugging tools: Included in utilities package

CHARACTERISTICS

OS Type: Interactive, 1 partition
Memory Management: Single user
Simultaneous Users: 1
Programs in Package:

PRICES

Documentation: \$4.50 (user's guide)
Training: \$300 (1 week - optional)
Purchase: \$15.00
Lease: N/A
Maintenance: Included

Languages: BASIC, DATAFORM, DATABUS,
SCRIBE
Compatibility: Datapoint 1100,2200,5500

Main Memory: 8K

OS NAME: DATAPOINT DOS

Disk Operating System (DOS) is a dynamic file management system which provides file allocation, expansion, contraction, and random/sequential and index/sequential data access. Complete file and directory management is available with internal foreground task control. There are five disk operating systems, each designed for a specific hardware configuration. These specifications below are for the DOS-D operating system.

MARKETING

Latest Release: 2/76
First Installed: 2/76
Current Users: N/A

Communications: syn, asyn to 9600 baud
Peripherals: 2 mass storage disks and
multiport adaptor

System Type: Multiprocessing
Diagnostics: yes, diagnostic programs
Debugging tools: Included in utilities package

CHARACTERISTICS

OS Type: Interactive-up to 3 part.
Memory Management: Virtual
Simultaneous Users: up to 16
Programs in Package: 37

PRICES

Documentation: Included
Training: \$300 (1 week - optional)
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

Languages: BASIC, RPG II, DATAFORM,
DATABUS, DATASHARE, SCRIBE
Compatibility: Datapoint 5500

Main Memory: 48K

SOFTWARE OPERATING SYSTEMS

OS NAME: DECISION DDOS

Disc Operating System (DDOS) is a file oriented system which provides the user with high level I/O management and system control. Also available are two subsystems, DINOS and LOS. DINOS provides multitasking and multi-programming and features dynamic resource allocation, program overlay, and initiation, and Index sequential mass storage access. LOS allows machine language assembly under DDOS and provides for efficient flexible disk and peripheral device I/O operations.

MARKETING

Latest Release: 9/76
First Installed: 1971
Current Users: 500 (8/76)

Communications: asyn

Peripherals: Console, Floppy Disk, Mag. Tape, Card Reader, Line Printer

System Type: Multiprogramming

Diagnostics: Extensive hardware checking^b

Debugging tools: On-line debug program

CHARACTERISTICS

OS Type: Batch

Memory Management: Single user^a

Simultaneous Users: 1 (16 with DINOS)

Programs in Package: 25

Languages: FORTRAN IV, BASIC (single + Multi-user) Assembly Language

Compatibility: Any Data General or

Digital computer controls computer

Main Memory: 16K

PRICES

Documentation: Included

Training: free (1 student, 2 weeks)

Purchase: Inc. in disk subsys. cost

Lease: N/A

Maintenance: Included

OS NAME: DIGICO EXEC

Digico's EXEC is an operating system designed exclusively for the Digico M16V central processor. Multi-user BASIC will provide access to a maximum of 16 terminals. Five programs are included in EXEC: Nominal 1, Magnetic Tape, Disc Operating System, Disc File Handling, and Console Control. Minimum memory required is 1K, however the M16V may be expanded to a maximum of 6K.

MARKETING

Latest Release: 5/76

First Installed: 12/72

Current Users: 60

Communications: syn, asyn, ICL discipline

Peripherals: N/A

System Type: Multi-programming

Diagnostics: User interface capability

Debugging tools: Console DEBUG package

CHARACTERISTICS

OS Type: Single or multiprogramming

Memory Management: User per partition

Simultaneous Users: 16

Programs in Package: 5

Languages: Assembler, BASIC

Compatibility: 1K

Main Memory:

PRICES

Documentation: N/A

Training: N/A

Purchase: \$40

Lease: N/A

Maintenance: N/A

^aMulti-user with DINOS.

^bAlso, read after write and retry.

SOFTWARE OPERATING SYSTEMS

OS NAME: DICOM INDUSTRIES CMTOS

Cassette Magnetic Tape Operating Systems (CMTOS) is a proprietary software/hardware operating system which provides the DEC PDP-8 computer user with system capabilities and efficiencies previously available only in more expensive multiple-transport magnetic tape systems. Executive interpreted commands direct complete "hands-off" multi-pass assemblies, complications, and system utility functions. CMTOS requires a three transport PDP-9 cassette computer system and replaces all system paper tape functions.

MARKETING

Latest Release: 1974
First Installed: 1971
Current Users: 900 (8/76)

Communications:

Peripherals: DICOM Cassette #344

System Type:

Diagnostics: None
Debugging tools: On-line debug program

CHARACTERISTICS

OS Type: Interactive
Memory Management: Single user
Simultaneous Users: 1
Programs in Package: 20

PRICES

Documentation: Included
Training: \$300
Purchase: \$1000
Lease: N/A
Maintenance:

Languages: BASIC (single user) FOR-
TRAN IV, ALGOL, Assembler
Compatibility: DEC PDP-8, PDP-11, All
Data General, all HP 2100 Series
Main Memory: 8K

OS NAME: DICOM INDUSTRIES FDOS-II

FDOS-II is a flexible disk operating system designed specifically for use on the Hewlett-Packard 21 series of minicomputers. The assembly language provided is identical to the one used with the Hewlett-Packard 21 series, and requires a minimum of 8K-words of main memory. The only required I/O device is a 33 ASR Teletype (10 cps), or compatible CRT keyboard/display.

MARKETING

Latest Release: 7/76
First Installed: 6/73
Current Users: 80

Communications: RS 232-C, Asyn
Peripherals: 422 Floppy Disk;
33 ASR TTY

System Type: Single user

Diagnostics: N/A
Debugging tools: Interactive Debugger

CHARACTERISTICS

OS Type: Interactive
Memory Management: Single user
Simultaneous Users: N/A
Programs in Package: N/A

PRICES

Documentation: Included
Training: N/A
Purchase: \$1,000
Lease: N/A
Maintenance: none

Languages: DOS-M-FDS-2, FORTRAN II,
RTE-II/III-FDS-2, Assembler
Compatibility: Hewlett-Packard HP 21XX

Main Memory: 8K

SOFTWARE OPERATING SYSTEMS

OS NAME: DIGITAL COMPUTER EOS

Extended Operating Systems (EOS) is a multi-terminal, time-sharing system that is designed to simultaneously support real-time data acquisition and process control, data communications, interactive time-sharing and background data processing. EOS features an enriched ANSI Fortran Compiler, Business Basic, Microassembler, Report Writer, Text Editor, peripheral spooler, Library File Editor, and a program debugging package. EOS operates on any of the DCC "16 Series" family of processors.

MARKETING

Latest Release: 3/76
First Installed: 3/76
Current Users: 60 (6/76)

Communications: asyn line unit
Peripherals: Teletype and Disk

System Type:
Diagnostics: yes
Debugging tools: Interactive debug programs (BZUP and DSP)

CHARACTERISTICS

OS Type: Interactive, 1 partition
Memory Management: Single user
Simultaneous Users: 16
Programs in Package:

PRICES
Documentation: \$50 (set of 2 manuals)
Training: \$250/student/wk
Purchase: \$3500.
Lease: N/A
Maintenance: free for 1 year

Languages: FORTRAN, BASIC

Compatibility: DATA GENERAL Nova Series

Main Memory: 16K

OS NAME: DIGITAL COMPUTER IRIS

Interactive Real-Time Information System (IRIS) is an operating system for DCC's 16-bit minicomputers. IRIS is a multilingual, file oriented system that operates in real-time, batch, or time-sharing modes. Features include concurrent time-sharing and batch processing, random index file access, support for up to 16 time-sharing terminals, a user accounting system, a security system and an extensive program library. Business BASIC, a business oriented extended BASIC with COBOL-like formatted output, and extended precision-arithmetic is available.

MARKETING

Latest Release:
First Installed:
Current Users:

Communications: asyn line unit
Peripherals: ASR 33 Teletype, Real-time clock, Mass storage device.

System Type:
Diagnostics: yes
Debugging tools: Interpreter includes debugging features

CHARACTERISTICS

OS Type: Interactive
Memory Management: No relocations
Simultaneous Users: 16
Programs in Package:

PRICES
Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: Business BASIC

Compatibility: Digital Computer Controls
D116

Main Memory: 16K

SOFTWARE OPERATING SYSTEMS

OS NAME: DIGITAL COMPUTER MSOS

Mass Storage Operating System (MSOS) is a real-time operating system for use with random access storage devices, such as disks and drums, as well as with sequentially accessed storage units such as magnetic tapes. Features include separate file directories for each user, contiguous and linked files, file overlay and swapping by program request, and capability to enter requests during system operation to create, delete, rename and modify files via operator or program control.

MARKETING

Latest Release:
First Installed:
Current Users:

Communications: asyn line unit
Peripherals: ASR 33 Teletype, Real-time clock, Mass storage device
System Type:
Diagnostics: yes
Debugging tools: Extended debug programs

CHARACTERISTICS

OS Type: Interactive
Memory Management: Single user
Simultaneous Users:
Programs in Package:

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: FORTRAN, BASIC

Compatibility: Digital Computer
D116

Main Memory: 12K

OS NAME: ELECTRONIC ASSOC DOS

DOS is a disk oriented control system which consists of the system loader, monitor, I/O routines, and system programs. The system loader is used to load system subroutines and system constants into memory. Programs are read into core from the disc through use of EAI's Standard Universal Hardware Bootstrap. The Control Option Processor (COP) and Job Control Language (JCL) processor are included under DOS.

MARKETING

Latest Release: 2/76
First Installed: 3/74
Current Users: 100 (8/76)

Communications: syn, asyn
Peripherals: Console and floppy disk
or cartridge disk

System Type:
Diagnostics: Diagnostic software package
Debugging tools:

CHARACTERISTICS

OS Type: Batch
Memory Management: Single user
Simultaneous Users: 1
Programs in Package: 15

PRICES

Documentation: \$750
Training: Included
Purchase: Included in system
Lease: N/A
Maintenance: 1 year warranty

Languages: FORTRAN^a

Compatibility: EAI PACER 100

Main Memory: 16K

^aFORTRAN Assembler with hybrid interpreter similar to BASIC.

SOFTWARE OPERATING SYSTEMS

OS NAME: ELECTRONIC ASSOC FDOS

Floppy Disc Operating System (FDOS) is a batch operating system designed to replace the Cartridge Operating System (COS) and Tape Operating System (TOS). FDOS has many DOS features including support for the Control Option Processor (COP), and a Job Control Language (JCL) processor.

MARKETING

Latest Release: 5/76
First Installed: 5/76
Current Users: 10 (8/76)

Communications: syn, asyn
Peripherals: Console and floppy
disk or cartridge disk
System Type:
Diagnostics: Diagnostic software pkg.
Debugging tools: OEDIPUS debug
program

CHARACTERISTICS

OS Type: Batch
Memory Management: Single user
Simultaneous Users: 1
Programs in Package: 15

PRICES

Documentation: \$750
Training: Included
Purchase: Included in system cost
Lease: N/A
Maintenance: 1 year warranty

Languages: FORTRAN^a

Compatibility: 16K

Main Memory:

OS NAME: ELECTRONIC ASSOC RTOS

Real-Time Operating System (RTOS) is a powerful multi-task operating system designed for use in real-time environment. In addition to supervising the systematic and efficient running of real-time foreground programs, RTOS provides a background program development and data reduction capability. This capability effectively gives the user two ports to his computer. RTOS allocates and deallocates memory for foreground and background operations as required.

MARKETING

Latest Release: 9/76
First Installed: 9/74
Current Users: 35 (8/76)

Communications: syn, asyn
Peripherals: Console and floppy disk
or cartridge disk
System Type: Multiprogramming
Diagnostics: Diagnostic software pkg.
Debugging tools: OEDIPUS debug
program

CHARACTERISTICS

OS Type: Interactive, 2 partitions
Memory Management: Dual user
Simultaneous Users: 2
Programs in Package: 15

PRICES

Documentation: \$750
Training: Included
Purchase: Included in system cost
Lease: N/A
Maintenance: 1 year warranty

Languages: FORTRAN^b

Compatibility: EAI PACER 100

Main Memory: 16K

^{a, b}FORTRAN Assembler with hybrid interpreter similar to BASIC.

SOFTWARE OPERATING SYSTEMS

OS NAME: FORTH

FORTH provides virtual memory on disk or tape and the ability to multi-program several concurrent tasks for on-line control, data acquisition and analysis, and control-language interfacing. FORTH is being used on at least 12 different manufacturer's computers, and can be adapted to others as required. The complete operating system, including compiler, assembler, and application program resides in 4K (16-bit word) core.

MARKETING

Latest Release: 5/76
First Installed: 1/74
Current Users: 50

Communications: Hardware dependent
Peripherals: Disk

System Type: Multiprogramming
Diagnostics: yes
Debugging tools: Interactive aids

CHARACTERISTICS

OS Type: Real-time
Memory Management: Virtual
Simultaneous Users: limited by hdw. r.
Programs in Package: 1

PRICES

Documentation: Included
Training: \$600/4 days
Purchase: \$10,000
Lease: N/A
Maintenance: N/A

Languages: FORTH

Compatibility: see manufacturer

Main Memory: 4K

OS NAME: GEC COMPUTERS DOS

DOS is a disk-oriented operating system which requires a minimum of one 10MB disc. Other peripherals supported include a range of line printers offering speeds from 300 to 1250 lines-per-minute, and a variety of industry-compatible magnetic tape drives, paper tape readers and punches, and card readers. The system is specifically designed for use on the GEC 4000 series.

MARKETING

Latest Release: 1/76
First Installed: 11/73
Current Users: 63

Communications: IBM Discipline
Peripherals: 10MB Disc

System Type: Multiprogramming
Diagnostics: yes
Debugging tools: Interactive aids

CHARACTERISTICS

OS Type: Real-time
Memory Management: virtual
Simultaneous Users: 1
Programs in Package: 50

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: FORTRAN, CORAL, BABBAGE

Compatibility: All GEC 4000 series

Main Memory: 62KB

SOFTWARE OPERATING SYSTEMS

OS NAME: GEC COMPUTERS OS 4000

OS 4000 is a disk-oriented operating system which requires a minimum of two 10MB disks. Other peripherals supported include a range of line printers offering speeds from 300 to 1250 lines per minute, and a variety of industry-compatible magnetic tape drives, paper tape readers and punches, and card readers. Communications to teleprinters, CRT displays, and IBM 360/370 systems (IBM via HASP) are provided.

MARKETING

Latest Release: 6/76
First Installed: 4/76
Current Users: 3

Communications: IBM discipline
Peripherals: Two disks (10, 35, 60MB)

System Type: Multiprogramming
Diagnostics: yes
Debugging tools: Interactive aids

CHARACTERISTICS

OS Type: Multi-access
Memory Management: Virtual
Simultaneous Users: 16
Programs in Package: 80

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: BASIC, FORTRAN, CORAL,
BABBAGE

Compatibility: All GEC 4000 series

Main Memory: 128KB

OS NAME: GRI COMPUTER OS/99

OS/99 is a multi user interactive operating system designed for the GRI System 99 computer. Features include independent core partitions, interactive RPG II Programming language, and low core memory requirements. Applications programs available with OS/99 include packaged savings and loan, inventory management, client time report, and wholesale distributor shipping control. Also available are general, client, law office, small college, and federal oil dealership accounting program packages.

MARKETING

Latest Release: 3/76
First Installed: 1/74
Current Users: 75-100 (8/76)

Communications: asyn, bisyn
Peripherals: Keyboard/Display (640 or 1280 char.)Up to 4 disks, (printer
System Type: Multiprogramming
Diagnostics: yes-extensive
Debugging tools: yes

CHARACTERISTICS

OS Type: Interactive, 6 partitions^a
Memory Management: Multi-user^b
Simultaneous Users: 6
Programs in Package:

PRICES

Documentation: Included
Training: \$500/Man/Week
Purchase: Included in System Cost
Lease: N/A
Maintenance: Approx. 75% of list price/mo.

Languages: Interactive RPG II

Compatibility: GRI System 99

Main Memory: 8K

^a64 partitions starting January 1, 1977.

^bRelocatable.

SOFTWARE OPERATING SYSTEMS

OS NAME: HARRIS DMS

Disc Monitor System (DMS) is an operating system which provides foreground real-time processing concurrent with queued background batch processing. Real-time events are handled by a mix of software and hardware to provide optimum response. DMS is expandable from a minimal batch configuration to a large scale system that supports pooled I/O, remote and local interactive terminals, dynamic memory allocation, timer-scheduled programs, and dynamic file creation. DMS can also support remote job entry emulation to a "foreign" system such as CDC, IBM, or Univac.

MARKETING

Latest Release: 6/76
First Installed: 12/71
Current Users: 50 (7/76)

Communications: RJE: IBM, CDC, Univac
Peripherals: TTY (110 or 300 baud) or CRT (up to 9600 baud)+ Disk 5.4 to 80MB
System Type:
Diagnostics: yes
Debugging tools: Debug package. Object Time Trace.

CHARACTERISTICS

OS Type: Batch, Interactive
Memory Management: Relocatable
Simultaneous Users: 16
Programs in Package: 12 plus hardware diagnostics
Languages: Assembler, FORTRAN, BASIC, RPG, SNOBOL IV
Compatibility: HARRIS SLASH 1, 3, 4, 5, 6, 7, 4VM, 7VM
Main Memory: 48KB

PRICES

Documentation: \$25. DMS Manual-\$150. Full Training: \$500 per student^a Set
Purchase: Each RJE subsystem - \$5000.
Lease: N/A
Maintenance: Included

OS NAME: HARRIS DOS

Disk Operating System (DOS) is a real-time software system compatible with Harris ROS and TOS systems. Similar to TOS, DOS has non-resident linking and loading from disk files, resident disc file management services, a 3K overhead buffer, and processor, source, library, and name file editors, DOS also features the Job Control Language (JCL) operator communication facilities, relocating link loader, debugging and trace facilities and asynchronous, logical file oriented input/output processing.

MARKETING

Latest Release: 7/75
First Installed: 1970
Current Users: 50 (7/76)

Communications: None
Peripherals: TTY (110 or 300 baud), and Disk 2.7MB or 80MB
System Type:

CHARACTERISTICS

OS Type: Batch
Memory Management: Relocatable
Simultaneous Users: 1
Programs in Package: 11 plus hardware diagnostics
Languages: SNOBOL IV, RPG, Assembler, Extended BASIC + FORTRAN IV
Compatibility: Harris Slash 1, 3, 4, 5, 6, 7, 4VM, 7VM
Main Memory: 24KB

Diagnostics: yes
Debugging tools: Debug Package. Object Time Trace
PRICES
Documentation: \$142-full set
Training: \$250 per student^b
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

^a ^b \$1350 for on site course plus documentation per person and instructions expenses.

SOFTWARE OPERATING SYSTEMS

OS NAME: HARRIS ROS

Resident Operating System (ROS) is a foreground/background processing software system that requires no mass storage. ROS features memory file management which allows background job execution at foreground discretion, flexible I/O structure that supports double buffering and concurrent I/O, and a 3K overhead buffer. ROS also features operator communication facilities, relocating link loader, Job Control Language (JCL), debugging and trace facilities, and asynchronous logical file oriented input/output processing.

MARKETING

Latest Release: 7/75
First Installed: 1969
Current Users: 110 (7/76)

Communications: None
Peripherals: TTY (110 or 300 baud)
and paper tape, or card reader
System Type:
Diagnostics: yes
Debugging tools: Debug package. Object Time Trace

CHARACTERISTICS

OS Type: Batch
Memory Management: Relocatable
Simultaneous Users: 1
Programs in Package: 11 plus hardware
diagnostics
Languages: Assembler, BASIC, SNOBOL,
IV, RPG, FORTRAN
Compatibility: HARRIS SLASH 1, 3, 4, 5,
6, 7, 4VM, 7VM
Main Memory: 24KB

PRICES
Documentation: \$140-Full set
Training: \$250. per student^a
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

OS NAME: HARRIS TOS

Tape Operating System (TOS) is a real-time system software compatible with Harris ROS. TOS allows non-resident linking and loading of tape files, a 3K overhead buffer, and processor file, library file and source file editors. Like ROS, TOS features foreground/background operation, Job Control Language (JCL) for job stream input, operator communications facilities, relocating link loader, debugging and trace facilities, and asynchronous, logical file oriented input/output processing.

MARKETING

Latest Release: 7/75
First Installed: 1/71
Current Users: 30 (7/76)

Communications: None
Peripherals: TTY (110 or 300 baud),
and Mag. tape drive - 45 ips
System Type:
Diagnostics: Diagnostic control panel
Debugging tools: Debug Package. Object
Time Trace

CHARACTERISTICS

OS Type: Batch
Memory Management: Relocatable
Simultaneous Users: 1
Programs in Package: 11 plus hardware
diagnostics
Languages: Assembler, BASIC, RPG,
SNOBOL IV, FORTRAN
Compatibility: HARRIS SLASH 1, 3, 4, 5,
6, 7, 4VM, 7VM
Main Memory: 24KB

PRICES
Documentation: \$140 Full set
Training: \$250. per student^b
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

^{a, b}\$1350. plus documentation per student and instructor's expenses on site.

SOFTWARE OPERATING SYSTEMS

OS NAME: HARRIS VULCAN

Vulcan is a virtual core management operating system which provides concurrent time sharing, multi-batch, real-time processing. Vulcan was designed as an expandable software system, and was developed concurrently with the Slash 4 Virtual Memory hardware. Vulcan supports disc storage as required for a given system application and features file editing, batch, remote job and real-time program initiation, concurrent job processing, remote job entry, automatic I/O spooling, high-response program execution, and inter-program communications.

MARKETING

Latest Release: 6/76
First Installed: 8/76
Current Users: 25 (7/76)

Communications: RJE: IBM, CDC, Univac
Peripherals: Disk(10.8-80MB), M. Tape (45-200 ips), CRT
System Type: Multiprogramming
Diagnostics: Program Halt, Hard. diagnostic
Debugging tools: Debug package

CHARACTERISTICS

OS Type: Batch, Interactive
Memory Management: Virtual memory
Simultaneous Users: 64
Programs in Package: 12 plus hardware diagnostics

PRICES

Documentation: \$160 - Full set
Training: \$500 per student^c
Purchase: RJE: \$5K; TOTAL: \$10K
Lease: N/A

Languages: Assembler, FORTRAN, COBOL, RPG, TOTAL^a, VULCAN^b
Compatibility: HARRIS S100 and S200 computer systems (SLASH 4VM and 7VM CPU's)
Main Memory: 96KB

Maintenance: Included (except TOTAL - \$250/man/day)

OS NAME: HEWLETT-PACKARD RTE III

Real-Time Executive III (RTE III) is a multiprogramming operating system which is multilingual, and has a multiterminal monitor. Features include a hardware fence register for memory protection, device independence, a relocating loader 2780 emulation, and an interactive editor which allows on-line disk-based program development. As many as 64 disk-based programs on reside in memory at one time.

MARKETING

Latest Release: 8/76
First Installed: 2/76
Current Users: 30+ (8/76)

Communications: bisyn
Peripherals: Disk(1296XA) Teletype(2752A or 2754B) Paper Tape RD (2925A)
System Type: Multiprogramming
Diagnostics:
Debugging tools:

CHARACTERISTICS

OS Type: Interactive Batch, 64 part.
Memory Management:
Simultaneous Users: 8+(Oper. dependent)
Programs in Package:

PRICES

Documentation: Included
Training: \$1000/10 days
Purchase: \$6000
Lease: N/A
Maintenance: \$50/month

Languages: BASIC (multi-user), FORTRAN, ALGOL, Assembler
Compatibility: Hewlett-Packard HP 21MX Series (2105, 2108, 2112)
Main Memory: 32K

^aData Base Management System.

^bJob Control Interactive Command Language.

^c\$2700. plus documentation per student and instructions expenses for on site course.

SOFTWARE OPERATING SYSTEMS

OS NAME: HONEYWELL GCOS Series 60 Level 64

General Comprehensive Operating System (GCOS) is a powerful software system designed to provide the Series 60, Level 64 user with multiprogramming, main memory management, and fail-safe capability. Modular system design and extensive peripheral and communications processing support allow the user to specify an operating system tailored to his needs. Additional features include sophisticated data management tools, language processing (COBOL, FORTRAN, EASYCODER, error recovery, automatic volume overload recognition, and device independence.

MARKETING

Latest Release: 3/76
First Installed: 8/75
Current Users: N/A

Communications: Up to 6 lines
Peripherals: 2 disks (MSU Series), console (CSU4100), Card RD, Line Printer
System Type: Multiprogramming
Diagnostics: Automatic Error Logging
Debugging tools: Standard CODASYL DEBUG

CHARACTERISTICS

OS Type: Batch, 6 partitions^a
Memory Management: Multi-user^b
Simultaneous Users: 4
Programs in Package:

PRICES

Documentation: Included
Training: \$300/student (2 basic courses)
Purchase: \$156/month (program tools)
Lease: N/A
Maintenance: No cost

Languages: COBOL, FORTRAN, EASYCODER

Compatibility: HONEYWELL Series 60
Level 64 (Models 20 + 40)
Main Memory: 16K^c

OS NAME: IBM BOS/360

Basic Operating System (BOS/360) is a disk-resident software system designed to provide operating system capabilities for 8K and larger System/360 configurations. This operating system is used specifically in 2311 disk drive configurations. System/360 hardware configurations above 8K requiring disk-oriented stack job operations which do not require the expanded functions of DOS/360 or OS/360, can use BOS/360. Users tailor the BOS/360 to their installation configurations and processing requirements.

MARKETING

Latest Release:
First Installed:
Current Users:

Communications: syn, (BTAM)
Peripherals: Disk (#2311); Card RD, PN;
Printer, Keyboard Printer (#1052)
System Type: Multiprogramming
Diagnostics: OLTEP^d
Debugging tools: Autotest

CHARACTERISTICS

OS Type:
Memory Management: Multi-user
Simultaneous Users:
Programs in Package: 15

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: RPG, Assembly

Compatibility: IBM System/360

Main Memory: 8K

^aVariable size partitions

^dOn-line Text Executive Program.

^bRelocatable.

^cOS resides in 6K

SOFTWARE OPERATING SYSTEMS

OS NAME: IBM DOS/VS

DOS/VS is a disk-resident operating system which operates in Extended Control (EC) mode only. Dynamic Address Translation (DAT) is used to provide virtual storage support. The DOS/VS includes sequential access methods for data management, virtual, basic, and queued telecommunications access methods for telecommunications support, utility programs, tape and disk error recovery procedures; and the on-line Test Executive Program for diagnostic aid.

MARKETING

Latest Release:

First Installed:

Current Users:

CHARACTERISTICS

OS Type: Interactive, Batch, 5 part.

Memory Management: Virtual

Simultaneous Users:

Programs in Package: 30+

Languages: ANS COBOL, COBOL D,
FORTRAN, PL/1Compatibility: IBM System/370 Models
115,125,135,138,145,148,155 II,158

Main Memory:

Communications: syn (VTAM)

Peripherals: 3 or 4 disks; Printer,

Console, Mag.Tape, Card RD, PN.

System Type: Multiprog., -proc.

Diagnostics: OLTEP^a

Debugging tools:

PRICES

Documentation:

Training:

Purchase:

Lease:

Maintenance:

OS NAME: IBM DOS/360

Disc Operation System (DOS/360) is a disk resident system designed to provide operating system capabilities for System/360 and System/370 computers. Available under the single partition system with foreground and background modes are symbolic device addressing, automatic job-to-job transaction, and library maintenance functions. DOS can run as a multiprogramming system with multiprogramming specified at system generation time. Each user program partition may be altered by the operator to satisfy software program requirements during system operation.

MARKETING

Latest Release:

First Installed:

Current Users:

CHARACTERISTICS

OS Type: Interactive Batch

Memory Management: Multi-user

Simultaneous Users:

Programs in Package: 40+

Languages: ANS COBOL, COBOL-D,
FORTRAN IV, PL/1, RPG, Assembly
Compatibility: IBM System/360 (System/-
370) support later DOS/360 releases)
Main Memory: 24K

Communications: syn (BTAM, QTAM)

Peripherals: Disk (231x), Card RD,

PN, Keyboard

System Type: Multiprogramming

Diagnostics: OLTEP^b

Debugging tools: Autotest

PRICES

Documentation:

Training:

Purchase:

Lease:

Maintenance:

^{a, b}On-Line Text Executive Program.

SOFTWARE OPERATING SYSTEMS

OS NAME: IBM OS/VS 1

OS/VS1 is a virtual storage operating system compatible with the OS/360 Multiprogramming operating system with a fixed number of tasks. OS/VS1 provides up to 16 megabytes of virtual storage independent of the main memory size. Virtual Storage is the name given to the address space referenced by a System/370 processor which has the Dynamic Address Translation feature. Features of the OS/VS1 Supervisor include task dispatching in up to 15 software program partitions, and task and I/O supervision.

MARKETING

Latest Release:
First Installed: 1971
Current Users:

Communications: syn (VTAM, TCAM)
Peripherals: 3 or 4 disks; printer,
console, Mag.Tape, Card Rd, PN
System Type: Multiprog., -Proc.

Diagnostics: OLTEP^a

CHARACTERISTICS

OS Type: Interactive, Batch, 15 part.
Memory Management: Virtual
Simultaneous Users:
Programs in Package: 30+

Debugging tools: Generalized Trace Facility (GTF), Dynamic Support Sys. (DSS)

PRICES

Documentation:

Training:

Purchase:

Languages: RPG, FORTRAN, COBOL, PL/1, Lease:

ALGOL, Assembly

Compatibility: IBM System/370 Models

135,138,145,148,155 II,158,165 II,168

Main Memory: 144K-4M

Maintenance:

OS NAME: IBM OS/VS 2

OS/VS 2 is a virtual storage operating system upward compatible from OS/VS 1. Standard features common to the OS/VS 1 and OS/VS 2 are Password Protected Page File, Protected Task I/O Table (TIOT), and Authorized Program Facility (APF). In addition, optional features on the OS/VS 1 which are standard on the OS/VS 2 are Data Extent Block (DEB) validity checking and fetch protect. Region Protection is a standard feature of the OS/VS 2 not available on the OS/VS 1.

MARKETING

Latest Release:
First Installed:
Current Users:

Communications: syn (VTAM, TCAM)
Peripherals: 3 or 4 Disks; Printer,
Console, Mag.Tape, Card RD, PN.
System Type: Multi-prog., .proc.

Diagnostics: OLTEP^c

CHARACTERISTICS

OS Type: Interactive, Batch, 5 part.
Memory Management: Virtual
Simultaneous Users:
Programs in Package: 30+

Debugging tools: Generalized Trace Facility (GTF), Dynamic Support Sys. (DSS)

PRICES

Documentation:

Training:

Purchase:

Lease:

Maintenance:

Languages: FORTRAN, COBOL, PL/1,
BASIC, Assembly

Compatibility: IBM System/370 Models 145,

148,155 II,158,165 II,158MP,168MP

Main Memory: 348K, 768K^b

^{a,c}On-Line Test Executive Program.

^b348K for releases 1, 748K for release 2.

SOFTWARE OPERATING SYSTEMS

OS NAME: IBM OS/360

OS/360 is the most comprehensive operating system available to users with 64K or more of core storage. OS/360 offers a broad range of control program options, language processors, I/O device support, application programs, and service programs to meet the needs of users who require the extensive facilities of a large operating system. Features include device independence, dynamic program loading facilities, Primary Control Program (PCP), and Multiprogramming with a Fixed number of Tasks (MFT) or a variable number of tasks (MVT).

MARKETING

Latest Release:
First Installed:
Current Users:

Communications: syn (BTAM,QTAM,TCAM)
Peripherals: Direct access storage device (#23xx & #3330)
System Type: Multiprog.,-proc.

CHARACTERISTICS

OS Type: Interactive, Batch
Memory Management: Multi-user
Simultaneous Users:
Programs in Package: 30+

Diagnostics: OLTEP^a
Debugging tools: Generalized Trace Facility (GTF)

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: RPG, COBOL, FORTRAN, PL/1, ALGOL, Assembler
Compatibility: IBM System/360, System/370
Main Memory: 64K (360), 512K (370)

OS NAME: IBM TOS/360

Tape Operating System (TOS/360) is a tape resident system which provides operating system capabilities for 16K and larger System/360 configurations. Prerequisite for the proper functioning of the TOS/360 are engineering changes to the System/360 hardware. TOS/360 is composed of control programs and processing programs. Control program I/O functions include System Residence, System Reader, System Input, System List, System Punch and System Log. Processing programs include programming languages and compilers.

MARKETING

Latest Release:
First Installed:
Current Users:

Communications:
Peripherals: Mag.Tape (2400/3400), Card RD,PN, Printer, Keyboard/printer
System Type: Multiprogramming
Diagnostics: OLTEP^b
Debugging tools: Autotest

CHARACTERISTICS

OS Type: Interactive, Batch, 3 part.
Memory Management: Multi-user
Simultaneous Users:
Programs in Package: 13

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: RPG, COBOL, FORTRAN IV, PL/1 Assembly
Compatibility: IBM System/360

Main Memory: 16K (32K-multiprogram)

^{a, b}On-Line Test Executive Program.

SOFTWARE OPERATING SYSTEMS

OS NAME: IBM VM/370

Virtual Machine Facility (VM/370) is a multiple-access time-sharing system. VM/370 contains three major elements: a control program which provides an environment for multiple virtual machines, also providing virtual support for operating systems that do not offer such support; the Conversational Monitor System (CMS) which provides a general purpose, conversational time sharing system environment; and the Remote Spooling Communications Subsystem (RSCS). System/370 Models 158MP and 168MP are supported in uniprocessor configurations only.

MARKETING

Latest Release:
First Installed:
Current Users:

Communications: syn (VTAM,TCAM)
Peripherals: Disk, Mag.Tape, Printer,
Console, Card RD, PN.
System Type: Multiprog.,-proc.
Diagnostics: OLTEP^a
Debugging tools:

CHARACTERISTICS

OS Type: Interactive, Batch
Memory Management: Virtual
Simultaneous Users:
Programs in Package:

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: COBOL, FORTRAN IV, PL/1,
BASIC, APL/CMS, MATH/6 STAT/BASIC
Compatibility: IBM System/370 Models
135,138,145,148,155II,158,165II,168
Main Memory: 240K

OS NAME: INTERDATA OS/16 MT2

OS/16 MT2 is a real-time Multi-Tasking operating system designed for the requirements of real-time applications. OS/16 MT2 allows the user to minimize memory requirements by using disk memory to store non-time critical OS functions. Features include up to 256 task priorities, task scheduling, Intertask Communications, overlay facilities, file protection at file, and task levels and device independent I/O.

MARKETING

Latest Release: 2/76
First Installed: 2/76
Current Users: 27 (6/76)

Communications: asyn, bisyn (ITAM/16)^c
Peripherals: Console

System Type: Multiprogramming
Diagnostics: None
Debugging tools: Interactive Debugger
(OS/AIDS)

CHARACTERISTICS

OS Type: Batch, Interactive, 255 part.
Memory Management: Multi-user
Simultaneous Users: 80
Programs in Package: 15

PRICES

Documentation: Included
Training: \$300/student/1 week
Purchase: \$1400 (no license req.)
Lease: N/A
Maintenance: None

Languages: FORTRAN, Assembler,
MACRO-Assembler, BASIC
Compatibility: Interdata 5/16, 6/16,
8/16
Main Memory: 16KB-40KB^b

^aOn-Line Test Executive Program.

^b(20-24KB Typical).

^c2780/3780 discipline.

SOFTWARE OPERATING SYSTEMS

OS NAME: INTERDATA OS/32 MT

The OS/32 MT is an operating system structured to be responsive in single, parallel, and multi-tasking environments. As the more powerful counterpart of OS/16 MT2, the 32 bit oriented OS/32 MT has all of the features of the OS/16 MT2 as well as dynamic program relocation, random and sequential access methods, clock service, error recovery at task and operator level, task administration, and overlapped I/O. A minimal operating system requires 40K core memory, a real-time clock, Carousel printer and magnetic tape cassette storage.

MARKETING

Latest Release: 5/76
First Installed: 10/74
Current Users: 170 (6/76)

CHARACTERISTICS

OS Type: Batch, Interactive, 255 part.
Memory Management: Multi-user
Simultaneous Users: 255
Programs in Package: 20

Languages: FORTRAN, Assembler, COBOL,
MACRO-Assembler, BASIC
Compatibility: Interdata 7/32, 8/32

Main Memory: 48KB - 70KB^a

OS NAME: LOCKHEED DOS/2

DOS/2 (Disk Operating System/2) is a multiprocessing and multiprogramming operating system for use with Lockheed's System II and System III, and Servus' System 80 and System 100. A video display unit serves as the operator's console. Documentation and training are bundled in system cost. DOS/2 is sold only with Lockheed Systems and Servus Systems. Maintenance cost depends upon configuration.

MARKETING

Latest Release: 6/76
First Installed: 1/73
Current Users: 150

CHARACTERISTICS

OS Type:
Memory Management: N/A
Simultaneous Users: 1
Programs in Package:

Languages: RPG II, FORTRAN

Compatibility: Lockheed II, III;
Servus 80, 100

Main Memory: 16KB

Communications: asyn, bisyn (ITAM/32)^b
Peripherals: Console, Magnetic media,
Real-time clock.

System Type: Multi-prog., -proc.
Diagnostics: None
Debugging tools: Interactive Debugger
(OS/AIDS)

PRICES

Documentation: Included
Training: Included
Purchase: \$5000^c (no license req.)
Lease: N/A
Maintenance: None

Communications: Asynchronous
Peripherals: 5MB Disk, video displays

System Type: Multiproc., -prog.
Diagnostics: yes
Debugging tools: DEBUG Package

PRICES

Documentation: Included
Training: Included
Purchase:
Lease:
Maintenance:

^a60KB Typical

^b2780/3780/HASP discipline

^cInclude Installation and Operating training (up to 3 days).

SOFTWARE OPERATING SYSTEMS

OS NAME: LOCKHEED MOS

MOS (Multi-user Operating System) is a multiprocessing and multiprogramming operating system for use with Lockheed's System II and System III, and Servus' System 80 and System 100. A video display unit serves as the operator's console. Documentation and training are bundled in system cost. MOS is sold only with Lockheed Systems and Servus Systems. Maintenance cost depends upon configuration.

MARKETING

Latest Release: 6/76
First Installed: 1/75
Current Users: 100

Communications: Asynchronous
Peripherals: 5MB Disk, video displays

System Type: Multiproc., -prog.
Diagnostics: yes
Debugging tools: DEBUG Package

CHARACTERISTICS

OS Type: Two partitions
Memory Management:
Simultaneous Users: 9
Programs in Package: N/A

PRICES
Documentation: Included
Training: Included
Purchase:
Lease:
Maintenance:

Languages: RPG II, FORTRAN

Compatibility: Lockheed II, III;
Servus 80, 100
Main Memory: 24KB

OS NAME: MICRODATA EXPRESS

The Microdata Express is a virtual storage operating system designed specifically for the Microdata Express Computer Systems. Express software is built around stack architecture and features an interactive debugging system with which the user may monitor execution, perform selective execution, and display selective data on demand. Express also features a higher level language called EPL (Express Programming Language), an extended version of PL1.

MARKETING

Latest Release: 1/77
First Installed:
Current Users:

Communications: syn, asyn
Peripherals: Disk (10MB), Mag.Tape,
Line Printer, Terminal
System Type: Multiprogramming
Diagnostics:
Debugging tools: On-line debugging^a

CHARACTERISTICS

OS Type: Batch Interactive
Memory Management: Virtual
Simultaneous Users: 4 to 32
Programs in Package: N/A
Languages: EPL, FORTRAN IV, COBOL,
BASIC
Compatibility: All Microdata Express
systems
Main Memory: 64KB

PRICES
Documentation:
Training:
Purchase:
Lease:
Maintenance:

^aUser may monitor execution, perform selective execution and display selective data.

SOFTWARE OPERATING SYSTEMS

OS NAME: MICRODATA REALITY

MICRODATA REALITY is an operating system designed for information management applications. REALITY was the first available (1973) small computer system offering virtual memory capability. The entire system resources of reality are managed by a virtual memory operating system implemented in microcode. ENGLISH and the new DATA/BASIC are the operating languages for REALITY although it can support coding in high level RPG II, making it compatible with System/3 programs.

MARKETING

Latest Release: 5/76
First Installed: 11/73
Current Users: 585 (8/76)

Communications: asyn, bisyn (2780)
Peripherals: Disk

System Type: multi-programming, -processing
Diagnostics: yes
Debugging tools: On-line debug program

CHARACTERISTICS

OS Type: Interactive
Memory Management: Virtual
Simultaneous Users: 32
Programs in Package: 30+

PRICES

Documentation: Included
Training: Included
Purchase: Included in system cost
Lease: N/A
Maintenance:

Languages: DATA/BASIC, RPG II,
ENGLISH, PROCEDURE, and Assembly
Compatibility: Microdata 1600 Series

Main Memory: 16K

OS NAME: MITSUBISHI UTS/VS

UTS/VS is a real-time operating system for use with random access storage devices, such as disks and drums, as well as with sequentially accessed storage units such as magnetic tapes. Features include separate file directories for each user, contiguous and linked files, file overlay and swapping by program request, and capability to enter requests to create, delete, rename and modify files via operator or program control.

MARKETING

Latest Release: 12/75
First Installed: 12/75
Current Users:

Communications: Half duplex, 50-9600
Peripherals: bps

System Type: Multiprogramming
Diagnostics: yes
Debugging tools: DELTA, FDP, OCD

CHARACTERISTICS

OS Type: Batch ^a
Memory Management: Virtual
Simultaneous Users: 128
Programs in Package: 16
Languages: ALGOL, BASIC, COBOL,
FORTRAN, META-SYMBOL, APL
Compatibility:

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Main Memory:

^aAlso transaction, timesharing, remote batch, and real-time memory management.

SOFTWARE OPERATING SYSTEMS

OS NAME: MODULAR COMPUTER MAX I

MAX I is a real-time operating system designed for the assembly language user with very tight core requirements. MAX I is a core-resident multi-programming system capable of running multiple real-time programs and a single batch processing task. MAX I controls and schedules core-resident programs and has an optional non-resident task loading capability. Batch processing functions required by the non-resident task are controlled via Operator Communication Commands which operate the Assembly and Link-editor batch processors.

MARKETING

Latest Release: 8/76
First Installed: 8/74
Current Users:

Communications: syn, asyn
Peripherals: Console

CHARACTERISTICS

OS Type: Batch
Memory Management: Single user
Simultaneous Users: 1
Programs in Package: 12+

Languages: Assembly

Compatibility: Any Modcomp computer

System Type: Multiprogramming
Diagnostics: None
Debugging tools: On-line debug program

PRICES

Documentation: Included
Training: \$300/wk.
Purchase:
Lease:
Maintenance: \$500/yr./system.

Main Memory: 4K

OS NAME: MODULAR COMPUTER MAX II

MAX II is an operating system designed for the batch-oriented user with limited real-time requirements. MAX II is capable of executing multiple core-resident tasks concurrently with a batch job stream and is available in two versions. The core version has an operator communications package; task activation based on operator directives, interrupts, or another task; interrupt driven I/O for full overlap with task execution; and loader service for non-resident overlay programs. In addition the batch version supports disk and magnetic tape mass storage devices.

MARKETING

Latest Release: 8/76
First Installed: 8/71
Current Users:

Communications: syn, asyn
Peripherals: Console and disk or mag
tape

CHARACTERISTICS

OS Type: Batch, Interactive, 15 part.
Memory Management: No relocations
Simultaneous Users: 5
Programs in Package: 12+

Languages: FORTRAN IV, BASIC (multi-
user).
Compatibility: Modomp II, III, IV

System Type: Multi-programming, -processing
Diagnostics: None
Debugging tools: On-line debug program

PRICES

Documentation: Included
Training: \$300/wk.
Purchase:
Lease:
Maintenance: \$500/yr./System

Main Memory: 16K

SOFTWARE OPERATING SYSTEMS

OS NAME: MODULAR COMPUTER MAX III

MAX III is a real-time task oriented operating system which supports foreground, middle-, and background processing of up to 256 active tasks. Three versions are available. The core version^a executes core resident foreground tasks in fixed areas of core memory. In addition, the batch version supports magnetic tape and disk storage, has a full-service loader, and allows background processing. Further, the extended version includes checkpointing, and allocates and deallocates core to active tasks.

MARKETING

Latest Release: 8/76
First Installed: 8/71
Current Users: 2000 (8/76)

Communications: syn, asyn
Peripherals: Console and disk or mag
tape
System Type: Multi-programming,-processing
Diagnostics: None
Debugging tools: On-line debug program

CHARACTERISTICS

OS Type: Batch, Interactive, 15 part.
Memory Management: No relocations
Simultaneous Users: 5
Programs in Package: 12+

PRICES

Documentation: Included
Training: \$300/wk.
Purchase:
Lease:
Maintenance: \$500/yr./System

Languages: FORTRAN IV, BASIC (multi-user)
Compatibility: Modcomp II, III, IV

Main Memory: 16K

OS NAME: MODULAR COMPUTER MAX IV

MAX IV is a real-time task-oriented operating system with all the features of MAX III. In addition MAX IV has hardware relocation, individual core map protection, multiple register sets and standard multiported memories. The MAX IV system loader loads tasks and overlay segments from disk in absolute format. The system core allocator is implemented with special hardware instruction which can allocate core pages quickly and efficiently. Memory protection is provided by a four level keyed hardware scheme and memory mapping.

MARKETING

Latest Release: 8/76
First Installed: 1/74
Current Users: 300 (8/76)

Communications: syn, asyn
Peripherals: Console, disk and mag
tape or paper tape
System Type: Multi-programming,-processing
Diagnostics: None
Debugging tools: On-line debug program

CHARACTERISTICS

OS Type: Batch, Interactive, 15 part.
Memory Management: Virtual
Simultaneous Users: 16
Programs in Package: 12+

PRICES

Documentation: Included
Training: \$300/wk.
Purchase:
Lease:
Maintenance: \$500/yr./System

Languages: FORTRAN IV, BASIC (multi-user)
Compatibility: Modcomp IV

Main Memory: 16K

^aMAX III core version includes all the features of the MAX II core version.

SOFTWARE OPERATING SYSTEMS

OS NAME: MODULAR COMPUTER MAXCOM

MAXCOM is a specialized operating system for dedicated communications applications which does not require background system processing. MAXCOM supplies the basic program switching mechanism, services, and standard peripherals I/O capability for developing a wide range of communications applications. MAXCOM is core-resident, but an extended version allows non-resident applications programs to operate. Features include dynamic core management, a loader for non-resident tasks and I/O support of synchronous and/or asynchronous communications channels.

MARKETING

Latest Release:

First Installed:

Current Users:

Communications: syn, asyn

Peripherals: Console (recommended but not required).

System Type: Multiprogramming

Diagnostics: None

Debugging tools: Stand alone debug program

CHARACTERISTICS

OS Type: Interactive, Batch

Memory Management: Single user

Simultaneous Users: 1

Programs in Package: 1

Languages:

Compatibility: Modcomp II, III

Main Memory: 4-8K

PRICES

Documentation: Included

Training: \$300/wk.

Purchase:

Lease:

Maintenance:

OS NAME: NANODATA PROD/TASK

Nanodata PROD/TASK is a multi-user, multiprogramming operating system. PROD is a general operator interface routine with debugging and control capability for microprogramming computers compatible with PROD/TASK. TASK is a test control routine for microprogramming computers and features microprogramming control to emulate QM-1 systems.

MARKETING

Latest Release: 6/76

First Installed: 2/75

Current Users: 7 (6/76)

Communications: syn, asyn

Peripherals: Configuration dependent

System Type: Multiprogramming

Diagnostics:

Debugging tools: Full user control and debug program

CHARACTERISTICS

OS Type:

Memory Management: Multiuser^a

Simultaneous Users:

Programs in Package:

Languages: All

Compatibility: Nanodata QM-1^b

Main Memory: Config. dependent

PRICES

Documentation:

Training:

Purchase:

Lease:

Maintenance:

^aRelocatable.^bEmulated machines include: IBM 360, IBM 7094, NOVA, CDC 160A, PDP-11.

SOFTWARE OPERATING SYSTEMS

OS NAME: PRIME COMPUTER PRIMOS III

PRIMOS III is a virtual memory disk operating system that supports up to 31 simultaneous users. Features include direct, sequential, and indexed sequential access methods, segmented files, nested user file directories, and file access privileges and protection by user assigned passwords. Total memory protection for multiple tasks are assured by the paging system associated with the virtual memory disk operating system. The operating system also supports comprehensive disk file integrity checks and recovery procedures.

MARKETING

Latest Release: 8/76
First Installed: 1/73
Current Users: 500 (8/76)

Communications: TTY, IBM, CDC, ICL
Peripherals: Disk (#4224, 6MB)

System Type: Multiprogramming
Diagnostics: Memory Parity
Debugging tools: Symbolic Debugger

CHARACTERISTICS

OS Type: Batch, Interactive
Memory Management: Virtual
Simultaneous Users: 31
Programs in Package: 45 modules

PRICES

Documentation: None (one set free)
Training: None (4 man-weeks free)
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

Languages: BASIC, FORTRAN, COBOL,
Data Base
Compatibility: Prime 300

Main Memory: .32K

OS NAME: PRIME COMPUTER PRIMOS IV

PRIMOS IV is a virtual memory disk operating system that supports up to 64 simultaneous users with up to eight megabytes of virtual space per user. PRIMOS IV also supports shared re-entrant procedures and dynamic linking. Error correcting code, as a software/hardware feature, is available for larger main memory disk configurations.

MARKETING

Latest Release: 8/76
First Installed: 3/76
Current Users: 20 (8/76)

Communications: TTY, IBM, CDC, ICL
Peripherals: Disk (#4224, 6MB)

System Type: Multiprogramming
Diagnostics: Memory Parity
Debugging tools: Symbolic Debugger

CHARACTERISTICS

OS Type: Batch, Interactive
Memory Management: Virtual
Simultaneous Users: 64
Programs in Package: 50 modules

PRICES

Documentation:
Training:
Purchase: \$12,000
Lease:
Maintenance:

Languages: BASIC, COBOL, FORTRAN,
Data Base
Compatibility: Prime 400

Main Memory: 64K

SOFTWARE OPERATING SYSTEMS

OS NAME: ROLM RDOS

RDOS is a sophisticated, interactive, dual user minicomputer operator system designed to ease program development of user applications. RDOS supports data files on disk with three separate file structures optimizing disk access time. RDOS provides program segmentation via overlay operations or program chaining.

MARKETING

Latest Release: 5/76

First Installed:

Current Users:

CHARACTERISTICS

OS Type: Interactive

Memory Management: Dual user

Simultaneous Users: 2

Programs in Package: 20 (approx.)

Languages: ASM, FORTRAN, ALGOL,
BASIC

Compatibility: ROLM 1601, 1602, 1603,
1650, 1664

Main Memory: 10-12K

Communications: asyn

Peripherals: Disk, high speed paper
tape reader

System Type: Multi-tasking

Diagnostics: None

Debugging tools: Symbolic debugger

PRICES

Documentation: Included

Training: Included

Purchase: Included in system cost

Lease: N/A

Maintenance: Included

OS NAME: ROLM RTOS

RTOS is a small core resident operating system designed to aid in implementing user applications. RTOS contains modules for interrupt handling, task scheduling, data I/O and intertask communications. RTOS is a compatible subset of the system functions furnished by ROLM RDOS. RTOS supports ASM assembly language and FORTRAN. In conjunction with the 1602 or 1664 hardware systems, RTOS can support user programs up to 64K in size.

MARKETING

Latest Release: 6/76

First Installed:

Current Users:

CHARACTERISTICS

OS Type: Applications Support

Memory Management: N/A

Simultaneous Users: 1

Programs in Package: N/A

Languages: ASM, FORTRAN

Compatibility: ROLM 1601, 1602, 1603,
1650, 1664

Main Memory: 2-4.6K

Communications: asyn

Peripherals: Real-Time Clock

System Type: Multi-tasking

Diagnostics: None

Debugging tools: Symbolic Debugger

PRICES

Documentation: Included

Training: Included

Purchase: Included in system cost

Lease: N/A

Maintenance: Included

SOFTWARE OPERATING SYSTEMS

OS NAME: SYSTEMS ENG LABS RTM

Real Time Monitor (RTM) is a disk-oriented system that provides concurrent execution of multiple tasks in foreground and background modes. RTM provides full capabilities for background processing of batch jobs. Features include dynamic memory allocation for foreground and background; system security via dynamic memory page protection; inter-task, inter-system and task/system communications facilities; debugging in foreground and background modes; and automatic roll-out, roll-in of selected priority levels for optimum system use.

MARKETING

Latest Release: 3/76
First Installed: 1970
Current Users: 125 (6/76)

CHARACTERISTICS

OS Type: Interactive, Batch
Memory Management: Multi-user^a
Simultaneous Users: 64
Programs in Package: 20

Languages: Macro Assembler, FORTRAN,
BASIC
Compatibility: SEL 32/55, SEL Systems
85/86
Main Memory: 32K

Communications:

Peripherals: Disk(93xx), Card RD(#9210,
#9211), Line Printer, Mag Tape
System Type: Multiprogramming
Diagnostics:
Debugging tools: Yes

PRICES

Documentation: b
Training: \$300/student/week
Purchase: \$750
Lease: N/A
Maintenance: Included (Extended
maintenance available at cost).

OS NAME: TEKTRONIX PLOT 80 GOS

The Plot 80 Graphics Operating System (GOS) is a software system designed for the Tektronix 4081 computer. Utilized for stand-alone operations and host oriented terminal operations which require complex image display and manipulation, GOS allows the user to initialize communications, access data files, set character size, resume execution of interrupted programs, reset the system for the next program, and invoke programs from mass storage. The system is designed primarily to display and manipulate vectors on the screen.

MARKETING

Latest Release: 6/76
First Installed: 12/75
Current Users: N/A

CHARACTERISTICS

OS Type: Interactive, 1 partition
Memory Management: Single user
Simultaneous Users: 1
Programs in Package:

Languages: Assembly, FORTRAN
Compatibility: Tektronix 4081

Main Memory: 18K-31K

Communications: asyn (110-9600 Baud)
Peripherals: Integral Tape Cartridge

System Type: Multiprocessing^c
Diagnostics: Hardware verification pack.
Debugging tools: GOS AIDS^d

PRICES

Documentation: Included
Training: Included
Purchase: Included in system cost
Lease: N/A
Maintenance: Included

^aRelocatable

^b\$125 for Reference (\$35) and Technical (\$90) manuals, \$1,500 for source.

^cCentral Processor/Graphic Controller.

^dAIDS provides cell/register manipulation, snapshot dumps, trace, breakpoint.

SOFTWARE OPERATING SYSTEMS

OS NAME: TEXAS INSTRUMENTS DX 980

DX 980 is a general purpose operating system that supports the Model 980 computer family in batch, interactive terminal and real-time processing. Systems software features include modular construction which organizes common executive functions into the nucleus, while unique executive functions are embodied in subsystems. The nucleus is partially memory resident and partially disk resident, with disk portions called into memory using a dynamic allocation technique. Nucleus functions include job, task, memory, I/O and file management as well as operator communication.

MARKETING

Latest Release: 5/76
First Installed: 6/74
Current Users: 50+ (8/76)

Communications: asyn
Peripherals: Console, Mag Tape, Disk (Diablo), Card RD, Line Printer
System Type: Multi-programming, -processing
Diagnostics: Error codes
Debugging tools: On-line debug programs

CHARACTERISTICS

OS Type: Batch, Interactive^a
Memory Management: Multi-user
Simultaneous Users: 32
Programs in Package: 18

PRICES

Documentation: Included
Training: Included
Purchase: \$10,000 (source kit)
Lease: N/A
Maintenance: Included

Languages: FORTRAN, PLEXUS,
Assembly.
Compatibility: Texas Instruments 980

Main Memory: 48K

OS NAME: ULTIMACC (STC Systems) OPERATING SYSTEM

The Ultimacc Operating System is a real-time on-line software system which can support up to twenty different programs simultaneously. Features include re-entrant code techniques, fixed core partitions, and single, double, and triple precision arithmetic. The operating system also features a Memory Management Protection Unit (MMPU) which remaps core in real time, and binary bit packing which increases storage efficiency. Over fifty display terminals can be supported in real-time without significant degradation of computer response time.

MARKETING

Latest Release: 6/76
First Installed: 3/71
Current Users: 100 (1971)

Communications: asyn, syn
Peripherals: CRT, Printer, and Disk

System Type: Multiprogramming
Diagnostics: Retry on disk
Debugging tools: BASIC, Assembly debug;
Core and disk dumps.

CHARACTERISTICS

OS Type: Interactive, to 50 part.
Memory Management: Relocatable
Simultaneous Users: 50
Programs in Package: up to 300

PRICES

Documentation: Included
Training: Included
Purchase: Included in system cost^b
Lease: N/A
Maintenance: \$305/month.

Languages: BASIC, COBOL, Assembly

Compatibility: Data General NOVA Series

Main Memory: 16K

^aVariable partitions.

^bMinimum System cost, \$41,000.

SOFTWARE OPERATING SYSTEMS

OS NAME: UNIVAC OS/3

OS/3 is an operating system designed to provide control of system and user programs and to furnish a flexible environment for communications, batch and disk-oriented processing, and user program development. In concert with a variety of programming languages, utility routines, and application programs, Sperry Univac provides the user with a program library to take full advantage of the extended capabilities of the 90/30 Data Processing System.

MARKETING

Latest Release: 10/76
First Installed: 2/75
Current Users: 1200+ (8/76)

Communications: ICAM
Peripherals: Card RD, Printer, 2 disks

System Type: Multiprogramming
Diagnostics: On-line diagnostics
Debugging tools:

CHARACTERISTICS

OS Type: Interactive, Batch
Memory Management: Multi-user^a
Simultaneous Users: Oper. dependent
Programs in Package: 20+

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

Languages: COBOL, FORTRAN, RPG II,
Assembly
Compatibility: Univac 90/30

Main Memory: 32K

OS NAME: UNIVAC OS/1100

OS/1100 is a flexible multiprogramming/multiprocessing operating system that can be tailored to any 1100 computer configuration to provide complete compatibility and handle concurrently all operations in batch, interactive, and real-time environments. Software enhancements include Remote Processing System (RPS), Data Management System (DMC), Transaction Interface Package (TIP), Conversational Time-Sharing System (CTS), Query Language Processors (QCP) and Terminal Security System (TSS).

MARKETING

Latest Release: 6/76
First Installed: 1967
Current Users: 700+ (8/76)

Communications:
Peripherals:

System Type: Multi-programming, -processing
Diagnostics: PMD Processor, DIAG
Debugging tools: ED Processor

CHARACTERISTICS

OS Type: Interactive, Batch
Memory Management: Multi-user^a
Simultaneous Users: Oper. dependent
Programs in Package: 20+

PRICES

Documentation: Included
Training: Included
Purchase: N/A
Lease: N/A
Maintenance: Included

Languages: COBOL, FORTRAN, APL, PL/1
RPG, NUALGOL, SIMULA, JOVIAL
Compatibility: Univac 1100 Series

Main Memory:

^aRelocatable.

SOFTWARE OPERATING SYSTEMS

OS NAME: UNIVAC VS/9 OPERATING SYSTEM

VS/9 is a full service virtual storage operating system which provides a large number of users with extensive facilities for the development and operation of software programs. VS/9 controls multiprogramming in a virtual memory environment and supports a concurrent job mix, transaction processing, communications, data base management, interactive applications and program development, personal computing and on-line maintenance programs. VS/9 is the native operating system for the 90/80 computer and is user compatible with the 90/60 and 90/70 software.

MARKETING

Latest Release: 6/76
First Installed: 11/75
Current Users: 100+ (8/76)

CHARACTERISTICS

OS Type: Interactive, Batch
Memory Management: Virtual
Simultaneous Users: 120
Programs in Package: 20+

Languages: COBOL, FORTRAN IV, RPG II, BASIC, FAST FORTRAN, Assembler.
Compatibility: Univac 90/60, 90/70, 90/80
Main Memory:

Communications: VICAM, CAM, COS
Peripherals: Console, Disk, Magnetic Tape, Card Reader, Printer.
System Type: Multiprogramming
Diagnostics: VMTP, BPE^a
Debugging tools: On-line maintenance Test System Interface

PRICES

Documentation:
Training:
Purchase:
Lease:
Maintenance:

OS NAME: VARIAN DATA VORTEX/VORTEX II OPERATION SYSTEM^b

VORTEX is a multiprogramming operating system that permits concurrent execution of a variable number of real-time and background tasks. VORTEX allocates priorities for memory, I/O access and processing, provides inter-task protection, debugging, scheduling, and resource management facilities. VORTEX can include many subsystems such as: data base management, transaction processing, remote job entry, and multi-user editing. Applications extend from scientific to commercial, from real-time to batch, and from stand alone to data communications.

MARKETING

Latest Release: 7/77
First Installed: 12/73
Current Users: N/A

CHARACTERISTICS

OS Type: Real-time
Memory Management: Multi-user^c
Simultaneous Users: Oper. dependent
Programs in Package: 20+

Languages: FORTRAN, COBOL, RPG II, IV, Microprogramming Assembler (MIDAS)
Compatibility: Varian 620/L-100 and all V-70 series computers
Main Memory: 8-32K^d

Communications: asyn, syn, binary syn
Peripherals: Teletype, disk and mag tape paper tape or disk unit.
System Type: Multiprogramming
Diagnostics: Customer Acceptance Test Prog.
Debugging tools: AID II, BLD, DEBUG, SNAPSHOT DUMP, Conditional statements compile

PRICES

Documentation: \$500
Training: \$300/wk.
Purchase: \$1000^e
Lease: N/A
Maintenance: \$1200 per year for SGL per-date service.

^aMinimum system cost, \$14,000.^bVORTEX II is identical to VORTEX except that VORTWX II is used in conjunction with memory map to control systems with up to 256K of main memory.^cRelocatable (VORTEX II includes memory map).^dDepending on subsystems and peripheral controllers used (VORTEX II minimum 32K)^ePurchase price for System Generation Library.

SOFTWARE OPERATING SYSTEMS

APPENDIX C

MANUFACTURERS

AMDAHL CORPORATION
1250 East Arques Avenue
Sunnyvale, CA 94086 USA

ARTRONIX INCORPORATED
1314 Hanley Industrial Court
St. Louis, MO 63144 USA

BASIC/FOUR COMPUTER CORPORATION
18552 MacArthur Boulevard
Irvine, CA 92714 USA

BASIC TIMESHARING INCORPORATED
870 West Maude Avenue
Sunnyvale, CA 94086 USA

BURROUGHS CORPORATION
Burroughs Place
Detroit, MI 48232 USA

BUSINESS SYSTEMS PRODUCTS
2121 Campus Drive
Irvine, CA 92715 USA

COLLINS RADIO COMPANY
1200 North Elma Road
Richardson, TX 75080 USA

COMPUTER COMMUNICATIONS, INCORPORATED
2610 Columbia Street
Torrance, CA 90503 USA

COMPUTER CORPORATION
Box 567
Lexington, MA 02173 USA

COMTEN, INCORPORATED
Communications Systems Division
1950 West Country Road B-2
St. Paul, MN 55113 USA

CONTROL DATA CORPORATION
8100 34th Avenue South
Minneapolis, MN 55440 USA

CSP, INCORPORATED
209 Middlesex Turnpike
Burlington, MA 01803 USA

DATA GENERAL
Route 9
Southboro, MA 01772 USA

DATAPOINT CORPORATION
9725 Datapoint Drive
San Antonio, TX 78284 USA

DATASAAB
SAAB-SCANIA, Datasaab Division
S-581 01 Linkoping
SWEDEN

MANUFACTURERS

DIGITAL
DIGITAL EQUIPMENT CORPORATION
146 Main Street
Maynard, MA 01754 USA

FOUR-PHASE SYSTEMS, INCORPORATED
10420 North Tantau Avenue
Cupertino, CA 95014 USA

THE FOXBORO COMPANY
86 Neponset Avenue
Foxboro, MA 02035 USA

FUJITSU LIMITED
6-1 Marunouchi 2 Chome
Chiyoda-Ku, Tokyo 100
JAPAN

GEC COMPUTER LIMITED
Elstree Way, Borehamwood
Hertfordshire, WD6 1RX
ENGLAND

GENERAL COMPUTER/SYSTEMS, INCORPORATED
16600 Dooley Road
Addison, TX 75001 USA

HARRIS CORPORATION
55 Public Square
Cleveland, OH 44113 USA

HEWLETT-PACKARD COMPANY
Computer Systems Division
11000 Wolfe Road
Cupertino, CA 95014 USA

HITACHI LIMITED
Nippon Building 6-2, 2-Chome
Ohtemachi, Chiyoda-Ku
Tokyo 100
JAPAN

HONEYWELL INFORMATION SYSTEMS, INCORPORATED
200 Smith Street
Waltham, MA 02154 USA

IBM
INTERNATIONAL BUSINESS MACHINES CORPORATION
General Systems Division
875 Johnson Ferry Road
Atlanta, GA 30301 USA

ICL
INTERNATIONAL COMPUTERS LIMITED
ICL House
Putney, London SW15 1SW
ENGLAND

INFORX, INCORPORATED
21 North Avenue
Burlington, MA 01803 USA

INTERDATA INCORPORATED
2 Crescent Place
Oceanport, NJ 07757 USA

ITEL CORPORATION
One Embarcadero Center
San Francisco, CA 94111 USA

MICRODATA CORPORATION
17481 Red Hill Avenue
Irvine, CA 92714 USA

mitsubishi electric corporation
203 Marunouchi 2-Chome
Chiyoda-Ku, Tokyo 100
JAPAN

MODULAR COMPUTER SYSTEMS, INCORPORATED
1650 West McNab Road
Fort Lauderdale, FL 33309 USA

NANODATA CORPORATION
2457 Wehrle Drive
Williamsville, NY 14221 USA

NCR
NATIONAL CASH REGISTER
5225 Springboro Pike
West Carrollton, OH 45439 USA

NIPPON ELECTRIC COMPANY LIMITED
33-1, Shiba Gochome
Minato-Ku, Tokyo 108
JAPAN

NIXDORF COMPUTER, INCORPORATED
5725 East River Road
Chicago, IL 60631 USA

NORSK DATA A.S.
Lorenveien 57
Post Office Box 163 Okern
Oslo 5
NORWAY

NORTHROP DATA SYSTEMS INCORPORATED
One Research Park
Palos Verdes Peninsula, CA 90274 USA

OKI ELECTRIC INDUSTRY COMPANY LIMITED
10-3, 4-Chome, Shibaura
Minato-Ku, Tokyo 108
JAPAN

OMNUS COMPUTER CORPORATION
9429 Horizon Run Road
Gaithersburg, MD 20760 USA

PHILIPS DATA SYSTEMS
OEM Marketing Group
Post Office Box 245
Apeldoorn NETHERLANDS

MANUFACTURERS

PRIME COMPUTER, INCORPORATED
145 Pennsylvania Avenue
Framingham, MA 01701 USA

QANTEL CORPORATION
Business Computer Systems
3525 Breakwater Avenue
Hayward, CA 94545 USA

RAYTHEON DATA SYSTEMS COMPANY
1415 Boston Providence Turnpike
Norwood, MA 02262 USA

A/S REGNICENTRALEN
Falkoner Alle 1
2000 Copenhagen F
DENMARK

ROLM CORPORATION
4900 Old Ironsides Drive
Santa Clara, CA 95050 USA

SCAN-DATA CORPORATION
800 East Main Street
Norristown, PA 19401 USA

SEMS
SOCIETE EUROPEENE DE MINI-INFORMATIQUE ET SYSTEMES
CII - TELEMECANIQUE INFORMATIQUE
Rue de Provence
38130 Echirolles
FRANCE

SFENA DIVISION SYSTEMES INFORMATIQUF
10 Bis, Rue Paul Dautier
78140 Velizy Villacoublay
FRANCE

SIEMENS AKTIENGESFLLSCHAFT
Wittelsbacherplatz 2
D-8000 Munchen
WEST GERMANY

SPECTRUM 8
3750 East Foothill Boulevard
Pasadena, CA 91107 USA

STC SYSTEMS INCORPORATED
E-210 Route 4
Paramus, NJ 07652 USA

SYCOR INCORPORATED
100 Phoenix Drive
Ann Arbor, MI 48104 USA

SYSTEMS ENGINEERING LABORATORIES, INCORPORATED
6901 West Sunrise Boulevard
Fort Lauderdale, FL 33313 USA

TANDEM COMPUTER INCORPORATED
19333 Vallco Parkway
Cupertino, CA 95014

AEG TELEFUNKEN
Bucklestr 1-5
D-7750 Konstanz
WEST GERMANY

TEXAS INSTRUMENTS INCORPORATED
Main Station 2188
Post Office Box 2909
Austin, TX 78769 USA

UNIVAC
SPERRY UNIVAC COMPUTER SYSTEMS
Post Office Box 500
Blue Bell, PA 19422 USA

WANG LABORATORIES, INCORPORATED
One Industrial Avenue
Lowell, MA 01851 USA

WESTINGHOUSE ELECTRIC CORPORATION
Westinghouse Building
Gateway Center
Pittsburgh, PA 15222 USA

XEROX CORPORATION - COMPUTER SYSTEMS
701 South Aviation Boulevard
El Segundo, CA 90245 USA

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MANUFACTURERS

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AMDAHL CORPORATION
1250 East Arques Avenue
Sunnyvale, CA 94086 USA
(408) 735-4011

ARTRONIX INCORPORATED
1314 Hanley Industrial Court
St. Louis, MO 63144 USA
(314) 968-4740

BASIC/FOUR COMPUTER CORPORATION
18552 MacArthur Boulevard
Irvine, CA 92714 USA
(714) 833-9530

BURROUGHS CORPORATION
Burroughs Place
Detroit, MI 48232 USA
(313) 972-7269

COLLINS RADIO COMPANY
1200 North Elma Road
Mail Station 401-102
Richardson, TX 75080 USA
(214) 690-5990

COMPUTER AUTOMATION, INCORPORATED
18651 Von Karman Avenue
Irvine, CA 92713 USA
(714) 833-8830

COMPUTER COMMUNICATIONS, INCORPORATED
2610 Columbia Street
Torrance, CA 90503 USA
(213) 320-9101

COMPUTER TALK INCORPORATED
P. O. Box 100
Idledale, CO 80453 USA
(303) 697-4315

COMPUTER TECHNOLOGY LIMITED
Eaton Road
Hemel Hempstead
Hertfordshire HP 7EQ
England
(0442) 3272

COMTEN, INCORPORATED
Communications Systems Division
1950 West County Road B-2
St. Paul, MN 55113 USA
(612) 633-8130

CONTROL DATA CORPORATION
8100 34th Avenue South
Minneapolis, MN 55440 USA
(612) 853-4157

CSP, INCORPORATED
209 Middlesex Turnpike
Burlington, MA 01803 USA
(617) 272-6020

MANUFACTURERS

DATA GENERAL CORPORATION
Route 9
Southboro, MA 01772 USA
(617) 485-9100

DATAPoint CORPORATION
9725 Datapoint Drive
San Antonio, TX 78284 USA
(512) 690-7059

DATASAB
SAAB-SCANIA, Datasab Division
S-581 88 Linköping
Sweden
(013) -11 1500

DIGITAL COMPUTER CONTROLS, INCORPORATED
12 Industrial Road
Fairfield, NJ 07006 USA
(201) 576-9100

DIGITAL EQUIPMENT CORPORATION
DEC
146 Main Street
Maynard, MA 01754 USA
(617) 897-5111

DIGITAL SYSTEMS CORPORATION
10 West College Terrace
Frederick, MD 21701 USA
(301) 663-3289

ENTREX INCORPORATED
168 Middlesex Turnpike
Burlington, MA 01830 USA
(617) 273-0480

FOUR-PHASE SYSTEMS, INCORPORATED
10420 North Tantau Avenue
Cupertino, CA 95014 USA
(408) 255-0900

FUJITSU LIMITED
6-1 Marunouchi 2 Chome
Chiyoda-Ku, Tokyo 100
Japan
(03) 216-3211

GEC COMPUTERS LIMITED
Elstree Way, Borehamwood
Hertfordshire, WD6 1RX
England
01-953-2030

GENERAL AUTOMATION, INCORPORATED
1055 South East Street
Anaheim, CA 92805 USA
(714) 778-4800

GRI COMPUTER CORPORATION
870 Georges Road
North Brunswick, NJ 08902 USA
(201) 545-7700

MANUFACTURERS

HARRIS CORPORATION
55 Public Square
Cleveland, OH 44113 USA
(216) 861-7900

HEWLETT-PACKARD
Computer Systems Division
11000 Wolfe Road
Cupertino, CA 95014 USA
(408) 257-7000

HITACHI LIMITED
Nippon Building 6-2, 2-Chome
Ohtemachi, Chlyoda-Ku
Tokyo, 100
Japan
(270) 2 1 1 1

HOKUSHIN ELECTRIC WORKS LIMITED
No. 30-1, 3-Chome, Shimomaruko
Ohta-Ku, Tokyo 144
Japan
(03) 759-4141

HONEYWELL INFORMATION SYSTEMS, INCORPORATED
200 Smith Street
Mail Station 432
Waltham, MA 02154 USA
(617) 890-8400

IBM
INTERNATIONAL BUSINESS MACHINES
General Systems Division
875 Johnson Ferry Road
P. O. Box 2150
Atlanta, GA 30301 USA
(404) 256-6048

INFOREX, INCORPORATED
21 North Avenue
Burlington, MA 01803 USA
(617) 272-6470

INTERDATA INCORPORATED
2 Crescent Place
Oceanport, NJ 07757 USA
(201) 229-4040

INTERNATIONAL COMPUTERS LIMITED
ICL House
Putney, London
England SW1 5 ISW
01-788-7272

INTERNATIONAL COMPUTERS LIMITED
555 Madison Avenue
New York, NY 10022 USA
(212) 486-7400

MICRODATA CORPORATION
17481 Red Hill Avenue
Irvine, CA 92714 USA
(714) 540-6730

MANUFACTURERS

MITSUBISHI ELECTRIC CORPORATION
203 Marunouchi 2-Chome
Chiyoda-Ku, Tokyo 100
Japan
218-2111

MODULAR COMPUTER SYSTEMS, INCORPORATED
1650 West McNab Road
Fort Lauderdale, FL 33309 USA
(305) 974-1300

NANODATA CORPORATION
2457 Wehrle Drive
Williamsville, NY 14221 USA
(716) 631-5880

NATIONAL CASH REGISTER
South Main & K Street
Building 26, 3rd Floor, Room A304
Dayton, OH 45479 USA
(513) 449-2000

NIPPON ELECTRIC COMPANY LIMITED
33-1, Shiba Gochome
Minato-Ku, Tokyo 108
Japan
(03) 454-1111

NIXDORF COMPUTER INCORPORATED
5725 East River Road
Chicago, IL 60631 USA
(312) 693-6600

A/S NORSK DATA-ELEKTRONIKK
Lorenveien 57, Oslo 5
P. O. Box 163, Okern
Norway
(20) 21 73 71

NORTHROP DATA SYSTEMS INCORPORATED
One Research Park
Palos Verdes Peninsula, CA 90274 USA
(213) 377-4811

OKI ELECTRIC INDUSTRY COMPANY, LIMITED
10-3, 4-Chome, Shibaura
Minato-Ku, Tokyo 108
Japan
(03) 454-2111

OMNUS COMPUTER CORPORATION
9429 Horizon Run Road
Gaithersburg, MD 20760 USA
(301) 986-1991

PHILIPS ELECTROLOGICA B.V.
OEM Marketing Group
P. O. Box 245
Apeldoorn, Netherlands
05760-30123

MANUFACTURERS

PRIME COMPUTER, INCORPORATED
145 Pennsylvania Avenue
Framingham, MA 01701 USA
(617) 879-2960

QANTEL CORPORATION
Business Computer Systems
3525 Breakwater Avenue
Hayward, CA 94545 USA
(415) 783-3410

RAYTHEON DATA SYSTEMS COMPANY
1415 Boston-Providence Turnpike
Norwood, MA 02262 USA
(617) 762-6700

A/S REGNECENTRALEN
Falkoner Alle 1
DK 2000 Copenhagen F
Denmark
(01) 10-53-66

ROLM CORPORATION
18922 Forge Drive
Cupertino, CA 95014 USA
(408) 257-6440

SEMS
SOCIETE EUROPEENE DE MINI-INFORMATIQUE ET SYSTEMES
CII - TELEMECANIQUE INFORMATIQUE
Rue de Provence
38130 Echirolles
France
(76) 09.80.55

SIEMENS AKTIENGESELLSCHAFT
D-8000 Munchen 70
Postfach 700078
West Germany
(089) 722-26362

STC SYSTEMS INCORPORATED
9 Brook Avenue
Maywood, NJ 07607 USA
(201) 845-0500

SYSTEMS ENGINEERING LABORATORIES, INCORPORATED
6901 West Sunrise Boulevard
Fort Lauderdale, FL 33313 USA
(305) 587-2900

AEG-TELEFUNKEN (A5)
7750 Konstanz
Postfach 2154
West Germany
(07531) 86-1

MANUFACTURERS

TEXAS INSTRUMENTS INCORPORATED
Mail Station 2188
P. O. Box 2909
Austin, TX 78769 USA
(512) 258-5121

UNIVAC
SPERRY UNIVAC COMPUTER SYSTEMS
P. O. Box 500
Blue Bell, PA 19422 USA
(215) 542-4011

VARIAN DATA MACHINES
3160 Redhill
Costa Mesa, CA 92626 USA
(714) 833-2400

XEROX CORPORATION - COMPUTER SYSTEMS
701 South Aviation Boulevard
El Segundo, CA 90245 USA
(213) 679-4511