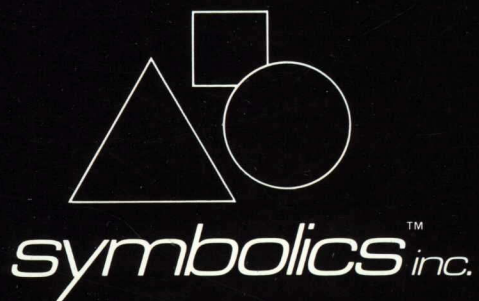
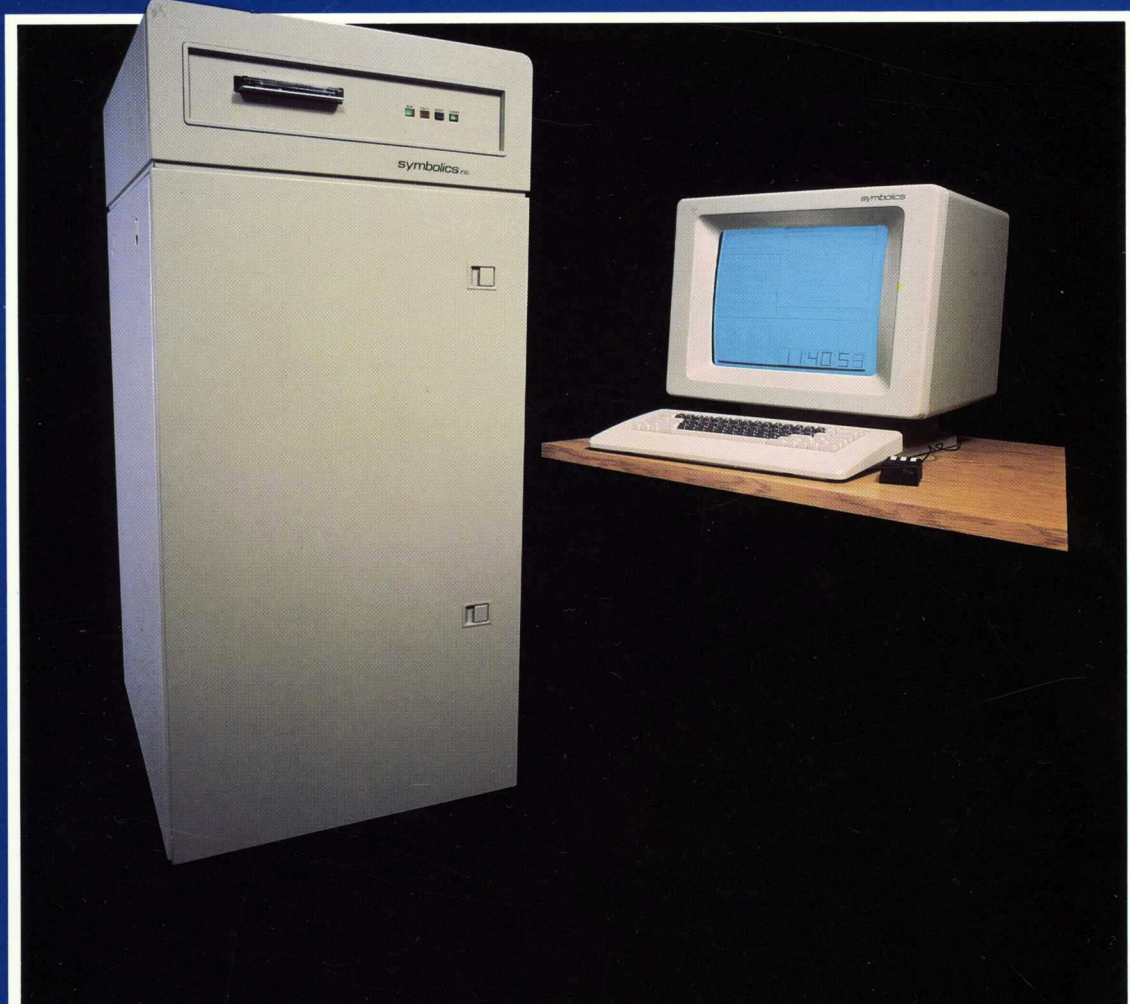


DISCOVER THE POWER OF SYMBOLIC PROCESSING:
THE SYMBOLICS 3670™



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DISCOVER

THE POWER OF SYMBOLIC PROCESSING:

THE SYMBOLICS 3670™

The Symbolics 3670™ is the most powerful symbolic processor available. The 3670 provides a versatile software environment, high performance hardware capabilities an interactive and responsive user/machine interface, expandability, and advanced network communications.

The Symbolics 3670 offers the technology to attack complex problems with inventive solutions. The system provides a high-productivity environment and tool set. A programmer can create and manage large programs with complex data structures and rapidly model, prototype and test alternatives using a complete set of advanced symbolic processing tools. These tools are being applied to large scale applications in a number of areas such as:

- Software engineering
- VLSI (Very Large System Integration) design
- CAE/CAD/CAM (Computer-Aided Engineering/Design/Manufacturing)
- Expert system development (in areas such as medical diagnosis, oil research, chemical research, etc.)
- Artificial Intelligence
- Signal interpretation
- Natural language understanding and translation
- Artificial vision
- Robotics
- Training and simulation

Software:

An Environment That Nurtures Creativity and Manages Details

The 3670 offers a unique combination of the Zetalisp™ language implementation and superior software tools.

Zetalisp has the power and flexibility to handle the dynamic, complicated data structures necessary for sophisticated applications. There are a number of extraordinary characteristics, including: extensibility, intrinsic data typing, dynamic storage allocation, dynamic linking, and support for structured and modular programming.

More than just an implementation of Zetalisp, the 3670 also provides a powerful tool set for application development and use, including:

- Flavors, an object-oriented programming extension of Lisp
- a window system, implemented using Flavors
- a real-time editor able to interpret and compile Zetalisp and other languages
- incremental compilers
- a flexible, interactive, display-oriented debugging system
- an "Inspector" utility, to examine data structures and a "Peek" utility, to examine the state of the system resources
- a font editor and a file system editor
- an electronic mail capability
- advanced networking

In the 3670 environment, these features are fully integrated and always available for software development or application use.

Expandability:

Room for Growth in Processor and Storage Capabilities

The 3670 has 14 slots on its backplane for expansion. It offers an impressive 30 Megabyte real memory capacity for high performance network host service.

For increased virtual memory and file storage, the 3670 can be equipped with an expander cabinet. The cabinet provides a compact, quiet addition to the standard 3670 configuration. The cabinet can hold up to four, 474 Megabyte disks, or three disks and one industry standard tape drive. A maximum of eight, 474 Megabyte drives can be supported, providing over 3 Gigabytes of on-line disk storage for network host service.

The 3670 configurations provide either a 167.5 or 474 Megabyte (unformatted) fixed-media disk drive in the processor cabinet.

For applications that require removable disk media, the 3670 can be configured with a free-standing 300 Megabyte disk drive.

The 3670 has an optional TC45, quarter-inch cartridge tape drive in the processor cabinet for software updates and backup. The expansion cabinet can include a TD80 tape drive. The TD80 is an industry standard, nine track, 1600/3200 bpi, 100/50/25 ips, half-inch tape drive. The TD80 also functions in a streaming mode. Two TD80 tape drives may be configured in a system.

The Symbolics 3670:

Performance and Options Aimed at Increasing Productivity

Symbolic processing unlocks the full potential of computing by providing a non-restrictive approach to exploring and implementing software concepts. As the most powerful symbolic processing system available, the Symbolics 3670 offers impressive hardware performance and an advanced software engineering environment. The 3670 affirms Symbolics' commitment to the development and sale of the finest symbolic processing systems to meet customer application needs.

Physical Dimensions:

	Width	Height	Depth	Weight
Processor:	24" 610mm	55" 1342mm	34.5" 876mm	370-470 bs. 163-213 kg
Display:	20" 508mm	20" 508mm	15" 381mm	50 lbs. 23 kg
Keyboard:	18.5" 470mm	2.75" 70mm	9.5" 241mm	5.25 lbs. 2.4 kg
Mouse:	2" 51mm	1.3" 83mm	3.25" 83mm	5 oz 0.142 grams
Expansion	24" 610mm	55" 1342mm	34.5" 876mm	

*Specifications subject to change***Electrical Requirements-Domestic**

Processor/Display/Keyboard
Voltage.....115 VAC (+/- 10%)
Frequency.....60 Hz
Current.....20 Amps
Receptacle.....30 Amps,
3 Prong NEMA L5-30R

Electrical Requirements-International

100 VAC-240 VAC/50 Hz versions available

Operating Environment

Temperature..... + 32 to + 100F
(0 to + 40 C)
Relative Humidity.....15-80%
(noncondensing)
Heat Dissipation...6800 BTU/hour
(2000watts)

DISK DRIVES**167.5 Mbyte unformatted**

Type: Fixed-media Winchester
Minimum Seek Time: 5ms.
Average Seek Time: 20ms.
Maximum Seek Time: 40ms.
Latency Time: 8.55
Transfer Rate: 1.0122 Mbytes/sec.

474 Mbyte unformatted

Type: Fixed-media Winchester
Minimum Seek Time: 5ms.
Average Seek Time: 18ms.
Maximum Seek Time: 35ms.
Latency Time: 7.5
Transfer Rate: 1.859 Mbytes/sec.

300 Mbyte

Type: Removable
Minimum Seek Time: 6ms.
Average Seek Time: 30ms.
Maximum Seek Time: 55ms.
Latency Time: 8.3
Transfer Rate: 1.209 Mbytes/sec.

Maximum unformatted disk capacity on 3670

3.792 Gbytes (eight 474 Mbyte drives)

TAPE DRIVES**TC 45 quarter inch**

Type: Cartridge
Tracks: 9 serial

TD80 half inch

Type: Industry standard
Tracks: 9
Bits-Per-Inch: 1600
Inches Per Second: 25

In Streaming Mode

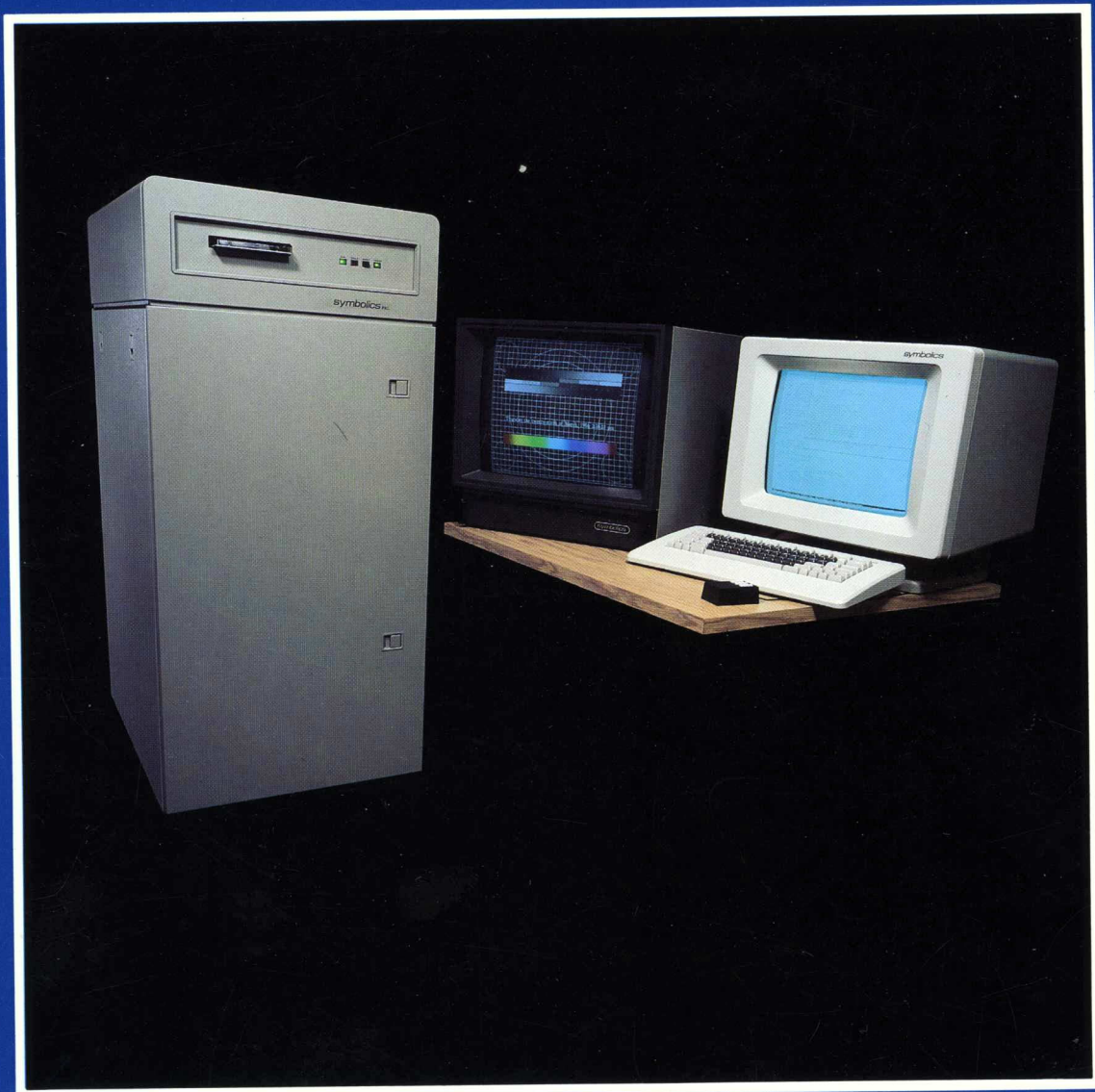
Bits-Per-Inch: 1600/3200
Inches Per Second: 100/50

Optional

TC 45 in the processor cabinet for software updates and backup quarter-inch cartridge

Expansion

TD80, industry standard, nine track
25 ips, 1600 bpi start/stop
100 ips, 1600 bpi streaming
50 ips 3200 bpi streaming



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