An ideal departmental printer with wide attachment capabilities.

IBM 3160 Advanced Function Printer

IBM

Departmental
PrintingSolutions

Highlights

- *Up to 60 ipm and 750,000 impressions per month*
- *Wide attachment flexibility*
- *Small footprint*
- *Variable and non-standard paper sizes supported*

In the spirit of continous innovation, IBM® offers a versatile, low-cost standard for distributed production cutsheet printing. The IBM 3160 Advanced Function Printer is an intermediate-speed, highly reliable cut-sheet duplex printer. The IBM 3160 combines electrophotographic print technology with the powerful capabilities of the Advanced Function Common Control Unit™ (AFCCU™) and Advanced Function Printing™ (AFP™) software to deliver high-quality output. The IBM 3160 is fully adjustable and prints on a wide range of paper sizes, including non-standard sizes.

New Standard in Low-Cost Printing

The IBM 3160 produces sharp, clear printed output at speeds of up to 60 impressions per minute (ipm), depending upon the application, and handles production volumes of up to 750,000 impressions per month.

The IBM 3160 can print AFP application data sent from any of the IBM platforms: Application System/400® (AS/400®), Personal System/2® (PS/2®), RISC System/6000® (RS/6000®)

and large hosts. This flexibility, combined with its speed and high capacity, makes the IBM 3160 an ideal printer to meet high-end and departmental printing requirements.

Advanced Function Printing

The IBM 3160 Advanced Function Printer fully leverages IBM's AFP software to provide enhanced printing functionality, including:

- Printing up to four logical pages on one side of a physical page
- Printing vector graphics, compressed images and text anywhere on the page
- Printing with multiple character sets or fonts
- Application flexibility, including electronic forms and bar codes
- Ability to feed and print on notebook divider tabs as well as other non-standard sizes
- Other data streams supported through the AFP printer server architecture of IBM Print Services Facility™ (PSF™) for AIX®, including PostScript and Windows® ASCII through the AFP Windows driver

Increased Productivity

IBM's Intelligent Printer Data Stream™ (IPDS™) implements additional functionality. IPDS is a function-rich data stream intended for use with all-points-addressable printers. These functions include system management of resources such as fonts, images and electronic forms; exceptional error recovery; and accurate accounting information. These IPDS capabilities, in conjunction with the AFCCU, allow your operations staff to be more productive.

Powerful Control Unit

The AFCCU is based on IBM's renowned RISC technology. The advanced control unit supports diverse IBM printers, including the IBM 3935 Advanced Function Printer, the IBM 3900 Wide Advanced Function Printers and the IBM 3900 Advanced Function Duplex Printing Systems.

The AFCCU improves performance for the most complex jobs. This control unit includes capabilities that were features on earlier control units, such as Advanced Function Image and Graphics and Decompression Performance Enhancement. Like previous control units, it can be extended with new capabilities in the future.

Attachment Flexibility

The IBM 3160 attaches easily to IBM S/370™, S/390®, AS/400, PS/2 and RS/6000 systems using one of the following attachments, as appropriate:

- S/370 parallel channel
- SNA Token-Ring (LU 6.2)
- TCP/IP Token-Ring
- TCP/IP Ethernet

The appropriate print driver is required, depending on the environment: PSF/MVS™, PSF/VM™, PSF/VSE™, PSF for OS/400®, PSF for OS/2® or PSF for AIX.

Summary

- Up to 60 ipm and 750,000 impressions per month
- AFP and IPDS capabilities
- PostScript and ASCII through the AFP server architecture
- 240-pel printing with all-points-addressability
- Electronic forms capability
- Up to four-up duplex printing
- Typographic and proportionally spaced fonts for text and electronic forms applications
- SNA/Token-Ring, S/370 parallel channel, TCP/IP Ethernet and TCP/IP Token-Ring attachment options, depending on platform
- Application compatibility and portability, within the limits of hardware restrictions, across the family of IBM page printers

IBM 3160 Advanced Function Printer at a glance

Print Speed	Up to 60 impressions per minute (ipm)
Usage	Maximum 750,000 impressions per month
Paper Capacities	Input trays —500-sheet bin 1 —500-sheet bin 2 —2,000-sheet bin 3 —2,000-sheet bin 4 (optional) Output stackers —1,500-sheet output —500-sheet top output tray (sample tray) —3000-sheet stacker with convenience stapler (optional)
Media	Paper size —Letter: 8.5" x 11" —Legal: 8.5" x 14" —A3: 11.7" x 16.5" —A4: 8.3" x 11.7" —B4: 10.1" x 14.3" —B5: 7.1" x 10.1" —Ledger: 11" x 17" —Supports non-standard paper sizes from 7.48" (190 mm) x 7" (178 mm) through 11.69" (297 mm) x 17" (432 mm) —Letter, A4 and B5 can be printed at up to 60 ipm; all other sizes print at up to 15 ipm Paper weight —17 lb. to 42 lb. (64 gsm to 160 gsm) —110 lb. index (200 gsm) - letter and A4, simplex only Paper types —Plain or letterhead cut-sheet paper —Paper or polymer-based adhesive labels suitable for electrophotographic printing —Preprinted forms and letterheads, perforated and prepunched (2, 3 and 4 holes) —Xerographic papers —Notebook divider tabs, 90 lb. to 110 lb. weights

AFP System Attachments	PSF/MVS	PSF/VM	PSF/VSE	PSF/400	PSF/2	PSF/6000
SNA Token-Ring	•	•	•	•	•	
Token-Ring (TCP/IP)	•			•	•	•
Ethernet (TCP/IP)	•			•	•	•
S/370 Parallel Channel	•	•	•			

AFP Software Support	—PSF/MVS, PSF/VSE and PSF/VM —PSF for OS/400, PSF for OS/2 and PSF for AIX
Options	One attachment option required: —IBM SNA Token-Ring attachment —S/370 parallel channel —Ethernet (TCP/IP) —Token-Ring (TCP/IP) Other options: —Additional pattern storage memory features
Physical Characteristics	**Width:** 41.75" (1,060 mm) **Depth:** 27.4" (695 mm) **Height:** 51.2" (1,300 mm) **Weight:** 521 lbs. (235 kg)
Power	Requirements: 208 VAC, single phase, 60 Hz 220 VAC, single phase, 50 Hz

Consumption:	Idle	Printing
208 VAC 60 Hz	340 watts	1.3 kWatts
220 VAC 50 Hz	340 watts	1.2 kWatts

Environmental Conditions	**Relative humidity:** 20% to 80% RH **Temperature:** 60.8° to 90° F (16° to 32° C) **Acoustics:** 60 dBA (operating); 54 dBA (idle)

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