

*For high-speed, MICR printing
at either 240 or 300-dpi resolution.*



IBM InfoPrint 4000 Advanced Function MICR Printing System

The IBM® InfoPrint™ 4000 Advanced Function MICR Printing System is a high-speed, high-volume, continuous-forms printer that provides you with exceptional reliability, excellent print quality and cost-effective, Magnetic Ink Character Recognition (MICR) printing. With this printing system, you can choose your resolution: 240, 300 or optionally switchable between 240 and 300-dots per inch (dpi).

The InfoPrint MICR Printing System prints at speeds of up to 354 impressions per minute (ipm) for 2-up printing on 8.5 x 11 inch paper or up to 333 ipm for 2-up printing on A4 paper (8.33 x 11.67 inches).

Reliable MICR Printing

MICR describes the special typeface and ink used to encode the numbers and symbols used on the bottom line of checks and other documents that can be recognized by high-speed magnetic or optical readers, such as the IBM 3890 and 3895 check processors.

The InfoPrint 4000 MICR Printer uses magnetic toner to provide output that is highly durable and readable with very high-read rates. The printing system also features a MICR test font with outline characters that you can use to ensure that MICR applications are developed safely without loss of font security. This high-performance MICR printing allows financial institutions to reduce costs and

improve their customer responsiveness by eliminating the need for expensive, preprinted forms.

Application Flexibility

Based on the proven IBM Advanced Function Printer technology, the IBM InfoPrint 4000 MICR Printing System offers all-points-addressable printing. The system supports vertical and horizontal perf-to-perf printing with roll-feed paper. In addition, pinless roll-feed paper can be loaded for maximum efficiency and greater paper savings.

Bar codes and Optical Character Recognition (OCR) applications also are well-suited to this MICR printer's ability to accurately register exact print placement on continuous forms.

In addition, by combining IBM's exclusive Page Positioning capabilities with the control unit, you can print up to four logical pages on a sheet. Each page can be a distinct size and sequenced, rotated and positioned as you wish. This can be done easily outside of your application programs.

Leading-Edge Controller

The new, more powerful Advanced Function Common Control Unit™ (AFCCU™) uses IBM's renowned RISC System/6000® (RS/6000®) technology. The enhanced control unit

Highlights

- **Consistently high-quality MICR printing**
- **Cost-effective, continuous-forms printing with 17-inch-wide print line**
- **Available with 240, 300 or 240/300-dpi switchable resolutions**
- **Speeds up to 354 two-up 8.5 x 11 inch or 333 two-up A4 impressions per minute**
- **Powerful control unit with advanced operator interface and flexible attachment capabilities**

gives you the flexibility of switching the resolution to either 240 or 300-dpi. This IBM exclusive moves high-production printers one step closer to the industry-wide, open-system objectives. Error recovery is another key function enabled by IBM's leading-edge technology. For example, the control unit manages paper jam recovery for the entire system, including the post-processing equipment.

Excellent Print Quality

The IBM InfoPrint 4000 MICR Printing System provides leading-edge print quality. Together the developer system and IBM's exclusive Print Quality Enhancement provide darker black fill, smoother edges and boldness control. Both enhance the overall image you project with your documents.



Pre- and Post-Processing Capabilities

The pre- and post-processing interfaces provide added input and output capabilities beyond the standard input source and output stacker. By adding roll-feed input and automated output options, long print jobs can be printed with little operator intervention. Depending on size, one roll can last up to six hours, which is ideal for a "lights out" environment.

Advanced Function Printing

The IBM InfoPrint 4000 MICR Printing System takes full advantage of IBM's Advanced Function Printing™ (AFP™) software to bring enhanced printing capabilities that include:

- Printing up to four logical pages on a sheet
- 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
- WYSIWYG viewing of the document, either before or after printing

Summary

The IBM InfoPrint 4000 MICR Printing System offers these key features and benefits:

- Excellent MICR print quality
- A choice of resolutions: 240, 300 or an option to switch between 240 and 300-dpi
- AFP capabilities, including compressed images and vector graphics
- High-quality, high-speed, continuous-forms printing for high-volume applications
- Exceptional reliability
- Operator productivity enhancements, such as the ability to add toner while printing

This device is subject to the Federal Communications Commission rules.

This product shall be verified to comply with the rules for Class A digital devices before final delivery to the buyer or centers of distribution.



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IBM InfoPrint 4000 Advanced Function MICR Printing System at a glance

Print Speed (up to)	1-up 8.5" x 11"	229
	1-up A4	233
	2-up 8.5" x 11"	354
	2-up A4	333
Usage (max/mo. in millions)	1-up 8.5" x 11"	5.6
	1-up A4	5.7
	2-up 8.5" x 11"	8.7
	2-up A4	8.2
Paper Capacities	Input: Up to 16" (406 mm) stack of paper Output: Up to 14" (355 mm) stack of paper Pre- and Post-Processing Interfaces allow additional capabilities	
Media	Width: 8" to 18"/203 to 457 mm Length: 7" to 14"/178 to 356 mm standard; Up to 28" (711 mm) with RPQ (additional memory required) Weight: 20 to 24 lbs. (75 to 90 gsm) Paper type: Preprinted or blank fanfold forms, roll-feed paper, some labels	
System Attachments	S/370™ parallel channel S/390® ESCON® channel Token-Ring (TCP/IP) or Ethernet (TCP/IP) for AS/400®, PS/2® and RS/6000	
AFP Software Support	PSF™/MVS™, PSF/VM®, PSF/VSE™, PSF for OS/400®, PSF for AIX®, PSF for OS/2®	
Standard Features	Choice of resolution: 240 or 300 dpi Toner on the Fly 64 MB memory Enhanced Pre- and Post-processing Interface (Feature code 4710) XGA Touch Screen Operator Panel/Display S/370, ESCON Channel, Token-Ring (TCP/IP) or Ethernet (TCP/IP) attachment	
Options	InfoPrint 4000 MICR Printing (8B4013) Switchable resolution printhead Pre- and Post-Processing Interface 32 or 64 MB additional memory Advanced Function Post-Processing Interface Second attachment: S/370, ESCON, Token-Ring (TCP/IP) or Ethernet (TCP/IP) attachment Dynamic Two-Channel Switching with two S/370 or two ESCON Channel attachments	
Physical Characteristics	Length: 92" to 94" (2,339 to 2,402 mm) Depth: 37" (930 mm) Height: 59" (1500 mm) Weight: 2,486 lbs. (1,128 kg)	
Power Requirements	208/220/230/240 VAC/60 Hz 3-phase 4-wire 380/400/415 VAC/50 Hz 3-phase 5-wire 200/220 VAC/50 Hz or 60 Hz 3-phase 4-wire Voltage determined by country standards	
Power Consumption (kVA 60 Hz/50 Hz)	Sleep Mode	1.75/1.75
	Ready Mode	3.43/3.48
	Printing with 28 lb. paper	12.4/12.0
	Printing with 20 lb. paper	10.6/10.3
Environmental Conditions	Permitted temperature and relative humidity ranges: Temperature: 60.8° to 84.2° F (16° to 29° C) Relative Humidity: 20% to 80% RH Optimal temperature and relative humidity ranges: Temperature: 65° to 75° F (18° to 24° C) Relative Humidity: 40% to 60% RH Acoustics: 60 Hz: 65 dBA (operating), 58 dBA (idle) 50 Hz: 65 dBA (operating), 57 dBA (idle)	

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