

For continuous forms duplex printing at either 240 or 300-dpi resolution.



IBM InfoPrint 4000 Advanced Function Duplex Printing System

infoPrint
4000

Customers demand printing at the highest possible speed and quality. The IBM® InfoPrint™ 4000 Advanced Function Duplex Printing Systems have the capability to meet those requirements by providing increased speed, improved productivity, reliability, flexibility and investment protection. The systems offer high-speed, high-volume, duplex continuous-forms printing, while enabling operators to choose the resolution: 240, 300 or switchable between 240 and 300-dots-per-inch (dpi). The newest family member prints up to an ultra-fast 1,002 impressions per minute (ipm).

Two Stand-Alone Simplex Printers

The Duplex Systems offer an excellent simplex option that allows for two stand-alone simplex printers running independent applications at up to 501 2-up ipm each. The powerful control unit enables the operator to convert and run two independent simplex printers from the single operator panel.

Investment Protection

As your business changes, your printer can be changed to meet the new requirements. Currently installed IBM 3900 or 4000 Wide Simplex or Duplex printers can be upgraded to IBM InfoPrint 4000 Duplex Printing Systems. The modular design of the InfoPrint 4000 Duplex

System allows 240 or 300-dpi systems to be upgraded to switchable resolutions, protecting your initial investment.

Leading-Edge Controller

The new, even more powerful Advanced Function Common Control Unit™ (AFCCU™) uses IBM's renowned RISC System/6000® (RS/6000®) technology. The enhanced control unit provides high-speed throughput capability and gives you the flexibility of switching the resolution to either 240 or 300-dpi. This allows you to run your 240 or 300-dpi data streams on the same printing system in either duplex or dual simplex mode. This IBM exclusive moves high-production printers one step closer to the industry-wide, open-systems objectives.

Error recovery is another key function enabled by IBM's Advanced Function Printing™ (AFP™) technology. The control unit manages paper jam recovery for the entire system, including the post-processing equipment.

Pre- and Post-Processing Capabilities

Two pre- and post-processing interfaces are standard features on the Duplex Systems. They provide added input and output capabilities beyond the standard

Highlights

- **New, ultra-fast printing at up to 1,002 ipm**
- **Available with 240, 300 or 240/300-dpi switchable resolutions**
- **Duplex or dual simplex for high-volume printing**
- **Investment protection with modular upgrade capabilities**

input source and output stacker. You can select options that are appropriate for your application needs so that productivity can be maximized.

Application Flexibility

The IBM InfoPrint 4000 Advanced Function Duplex Printing Systems support 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 are also well-suited to the Duplex System'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 eight



logical pages between the two sides of a duplexed sheet. Each page can be a distinct size and sequenced, rotated and positioned as you wish. This can be easily handled outside of your application programs.

Advanced Function Printing

The Duplex Systems take full advantage of IBM's AFP software for enhanced printing capabilities that include:

- Printing vector graphics, compressed images and text anywhere on the page
- Printing with multiple fonts
- Application flexibility including electronic forms, bar codes and MICR
- WYSIWYG viewing of the document, either before or after printing

Summary

IBM InfoPrint 4000 Duplex Printing Systems offer:

- High-quality, high-speed, continuous-forms duplex printing for high-volume applications
- Choice of resolutions: 240, 300 or 240/300-dpi switchable
- Print speeds up to 708 or 1,002 ipm, depending on the model, with field upgrade capability
- AFP capabilities, including compressed images and vector graphics
- Dual simplex mode for running independent applications
- Powerful control unit for high-speed throughput



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IBM InfoPrint 4000 Advanced Function Duplex Printing Systems at a glance

Print Speed (up to)		ID1	ID2	ID3	ID4	
		Simplex	Duplex	Simplex	Duplex	
1-up 8.5" x 11"		229	458	324	648	
1-up ISO A4		235	470	330	660	
2-up 8.5" x 11"		354	708	501	1,002	
2-up ISO A4		333	666	472	944	
Usage (max./mo. in millions) ¹		1-up 8.5" x 11"	5.6	11.2	8.0	16.0
		1-up ISO A4	5.8	11.6	8.1	16.2
		2-up 8.5" x 11"	8.7	17.4	12.3	24.6
		2-up ISO A4	8.2	16.7	11.5	23.0
Paper Capacities		Input: Up to 16" (406 mm) stack of paper (box)				
		Output: Up to 14" (355 mm) stack of paper				
		Pre- and Post-Processing Interfaces allow additional capabilities				
Media		Duplex paper width: 9" to 18" (229 mm to 457 mm)				
		Simplex paper width: 8" to 18" (203 mm to 457 mm)				
		Paper length: 7" to 14" (178 mm to 356 mm) standard (ID1/ID2)				
		7" to 28" (178 mm to 712 mm) standard (ID3/ID4)				
		17" (432 mm) with post-processing				
		Up to 22" (558 mm) with RPQ (additional memory required)				
Paper weight:		16 lb. to 42 lb. (60 gsm to 160 gsm) simplex				
		18 lb. to 28 lb. (68 gsm to 107 gsm) duplex				
Paper type:		Preprinted or blank fanfold forms, roll-feed paper, some labels				
System Attachments		S/370™ Parallel Channel, S/390® ESCON® Channel, Token-Ring or Ethernet (TCP/IP) for AS/400®, PS/2® ² and RS/6000®				
AFP Software Support		PSF™/MVS™, PSF/VM®, PSF/VSE™, PSF for OS/400®, PSF for AIX®, PSF for OS/2® and InfoPrint Manager				
Standard Features		Choice of resolution: 240 or 300 dpi Toner-on-the-Fly 2 Pre- and Post-Processing Interfaces 128 MB memory XGA Touch Screen Operator Panel/Display S/370, ESCON Channel, Token-Ring or Ethernet (TCP/IP) attachment				
Options		Switchable resolution 240/300 dpi 64 MB additional memory ² Performance Enhancement ² Additional Pre- and Post-Processing Interfaces Advanced Function Post-Processing Interface Second attachment: S/370, ESCON, Token-Ring or Ethernet (TCP/IP) Dynamic Two-Channel Switching with two S/370 or ESCON Channel attachments				
Physical Characteristics (per engine)		Length: 92" to 94" (2,339 mm to 2,402 mm)				
		Depth: 38" (955 mm)				
		Height: 59" (1,500 mm)				
		Weight: ID1: 2,397 lb. (1,087 kg) ID2: 2,486 lb. (1,128 kg)				
		ID3: 2,421 lb. (1,101 kg) ID4: 2,510 lb. (1,141 kg)				
Power Requirements		208/229/230/240 VAC/60 Hz, 3-phase, 4-wire 380/400/415 VAC/50 Hz, 3-phase, 5-wire 200/229 VAC/50 Hz or 60 Hz, 3-phase, 4-wire Voltage determined by country standards				
Power Consumption		60 Hz		50 Hz		
— Sleep mode		1.85 kVA		1.85 kVA		
— Ready mode		3.53 kVA		3.58 kVA		
— Printing with 20 lb. paper		10.10 kVA		9.88 kVA		
— Printing with 42 lb. paper		7.50 kVA				
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				
		Optimal³ 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) or 58 dBA (idle) 50 Hz – 65 dBA (operating) or 58 dBA (idle)				

¹IBM does not recommend reaching this monthly maximum on a consistent basis.

²Supported on models ID1 and ID2 only.

³Optimal ranges provide best print quality and reliability.

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