High-resolution, high-quality, high-speed printing for print-on-demand and production applications.

IBM Infoprint 4000 High Resolution Duplex Printing System

Businesses worldwide must meet customer needs for high-quality, graphics-rich documents, as well as the need for traditional production print applications such as billing statements and reports. Now, a single solution exists to digitally print high resolution, Adobe® PostScript® 600-dpi documents and Advanced Function Presentation™ (AFP™) 480- and 600-dpi documents at speeds of up to 708 impressions per minute.

A Single Solution

Introducing the IBM® Infoprint® 4000 High Resolution Duplex Printing System—a printer combined with a complete print file submission and print management process for PostScript Level 2 and legacy AFP applications.

The IBM Infoprint 4000 offers high-speed, high-volume, cost-effective, duplex continuous-forms printing that gives companies the opportunity to expand business and take on more complex applications. This specially architected printing solution combines advanced controller and print server technology to deliver high-performance, manageable printing.

The newest member of the Infoprint 4000 family prints up to an accelerated 708 impressions per minute. Because this printer outputs such high speeds and maintains excellent print quality, it provides print shops the opportunity to cost-effectively process larger jobs. It also enables production printing customers to print higher resolutions and provide their clients with more impactful business statements.

For those customers who already leverage the power of Infoprint 4000 printers and want to protect their initial hardware investment, on-site upgrades can deliver the family's newest speeds and capabilities.

Power to Perform

The printer's enhanced control unit allows switching between 480- and 600-dpi resolutions. With this option, operators can select the resolution to meet the needs of both traditional AFP production printing and PostScript print-on-demand jobs designed for 240-, 300-, 480- or 600-dpi resolution.

The Infoprint 4000's enhanced control unit also provides faster data processing, enabling one-off documents to print more quickly. This is an especially valuable, time-saving feature for customized documents that contain variable data on each page. The processor's speed allows the use of Fiber Distributed Data Interface (FDDI), a fiber optic LAN attachment that enables the quick processing of jobs from the print queue to the printer.

Highlights

- ***High-resolution printing at 480- or 600-dpi with new, accelerated speeds up to 708 duplex letter-size ipm***
- ***A complete system for printing both Adobe PostScript and AFP files***
- ***Cost-effective, duplex, continuous-forms printing of PostScript and image files with up to a 17-inch-wide print line***
- ***Ability to leverage traditional corporate applications***

Excellent Print Quality

The IBM Infoprint 4000 delivers outstanding print quality and is equipped with an enhanced developer system, your choice of toner formulations and the IBM-exclusive Print Quality Enhancement technology. Together they provide darker black fill, smoother edges and boldness control to enhance overall document image.

More Than Just a Printer

The fast-turnaround, print-on-demand market and production print environments require efficient file management. Therefore, IBM has designed Infoprint Manager, a complete software and hardware solution that allows print-file management to multiple printers or other supported output devices. The solution manages diverse print jobs, from

high-volume reports to customized marketing materials.

IBM's solution provides the richness of the PostScript page description language and IBM's extensive experience in printing mission-critical applications with AFP. A true PostScript Level 2 RIP helps ensure optimal processing of desktop graphics print files. The IBM technology enables systems-managed printing to ensure uniformly high quality and data integrity.

Paper Flexibility

Optional pinless drive technology allows the IBM Infoprint 4000 to run plain paper as well as traditional tractor-fed paper. This technology dramatically reduces dust and waste materials, which improves registration, reduces jams and enhances overall print quality. By eliminating useless paper trim, users realize substantial cost savings. Through the use of roll-feed technology, the IBM Infoprint 4000 provides more flexible paper sizes and weights, enabling a wider range of digital printing jobs.

IBM Supplies and Service

Available 24 hours a day, 7 days a week, IBM offers a full range of services, from hardware maintenance to software support. IBM printer-specific supplies and papers are manufactured to high quality standards and are designed to optimize the performance of your printer at a competitive price.

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IBM Infoprint 4000 High Resolution Duplex Printing System at a glance

Print Speed Per Minute (up to)		**IR1/IR2**	**IR3/IR4**
	1-up 8.5" x 11"	300	458
	1-up ISO A4	306	470
	2-up 8.5" x 11"	464	708
	2-up ISO A4	436	666
Usage (max./mo. in millions)[1]		**IR1/IR2**	**IR3/IR4**
	1-up 8.5" x 11"	7.3	8.7
	1-up ISO A4	7.5	8.2
	2-up 8.5" x 11"	11.3	17.4
	2-up ISO A4	10.7	16.4
Paper Capacities	Input: Up to 16" (406 mm) stack of paper (box) Output: Up to 14" (356 mm) stack of paper (internal stacker); supports 7" to 14" folds Pre- and Post-Processing Interfaces allow additional input and output capabilities		
Media	Paper size (inches/mm): — Width: 9" to 18" (225 mm to 457 mm) 17" maximum (432 mm) when operating with pinless RPQ — Length: 3" to 14" (76 mm to 356 mm) with on-board stacker 3" to 25" (76 mm to 635 mm) with Post-Processing Paper weight: — 16 lb. to 28 lb. (60 gsm to 105 gsm) Paper type: — Preprinted or blank fanfold forms, roll-feed paper, some labels		
System Attachments	— FDDI (TCP/IP), Token-Ring (TCP/IP), ESCON®, S/370™ Channel — Ethernet 10/100 BaseT		
Print Language Support	AFP, PostScript, Tiff Images		
Operating System Support	Client Support: Microsoft Windows® 3.11, Windows 95™, Windows NT™, Apple Macintosh System 7.5 Host Support: MVS®, OS/390™, VM™, VSE™, AIX®, OS/400®		
Hardware Features	Standard: — 1 System Attachment from above list — 2 Pre/Post-Processing Interfaces (1 per engine) — Enhanced toner loading system — Page integrity verification Optional: — Additional Pre- and Post-Processing Interfaces — Plus 1 additional System Attachment		
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: IR1: 2,397 lb. (1,087 kg) IR2: 2,486 lb. (1,128 kg) IR3: 2,421 lb (1,101 kg) IR4: 2,421 lb (1,101 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: — Sleep mode 1.75 kVA — Ready mode 3.43 kVA for 60 Hz, 3.48 kVA for 50 Hz — Printing 7.43 kVA with 20 lb. paper		
Environmental Conditions	Permitted temperature and humidity ranges: Temperature: 60.8° to 84.2°F (16° to 29°C) Humidity: 20% to 80% RH Optimal[2] temperature and humidity ranges: Temperature: 65° to 75°F (18° to 24°C) Humidity: 40% to 60% RH Acoustics: 60 Hz – 65 dBA (operating) or 58 dBA (idle) 50 Hz – 65 dBA (operating) or 57-58 dBA (idle)		

[1]IBM does not recommend reaching this monthly maximum on a consistent basis.
[2]Optimal ranges provide best print quality and reliability.

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