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

IBM

IBM Infoprint 4000 Advanced Function Duplex Printing System

*info*Print 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 switch between 240 and 300-dots-per-inch (dpi) resolution. 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 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
- Switchable resolution: 240/300-dpi
- 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

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; supports 7" to 14" folds
Pre- and Post-Processing Interfaces allow additional capabilities

Media
Paper width: 9" to 18" (229 to 457 mm) duplex; 8" to 18" (203 to 457 mm) simplex
Paper length: 3" to 14" (76 to 356 mm) standard
Up to 28" (712 mm) with post processing
Paper weight: 16 lb. to 42 lb. (60 gsm to 160 gsm) dual simplex (ID1/ID2)
16 lb. to 28 lb. (60 gsm to 105 gsm) dual simplex (ID3/ID4)
18 lb. to 28 lb. (68 gsm to 105 gsm) duplex
Paper type: Preprinted or blank fanfold forms, roll-feed paper, some labels

System Attachments
S/370™ Parallel Channel, S/390® ESCON® Channel, FDDI, Token-Ring, 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® and Infoprint Manager

Standard Features
Switchable resolution: 240/300 dpi
Toner-on-the-Fly
2 Pre- and Post-Processing Interfaces
128 MB memory (ID1/ID2); 256 MB memory (ID3/ID4)
XGA Touch Screen Operator Panel/Display
S/370, ESCON Channel, FDDI, Token-Ring or Ethernet (TCP/IP) attachment

Options
256 MB additional memory[2]
Performance Enhancement (ID1/ID2 only)
Additional Pre- and Post-Processing Interfaces
Advanced Function Post-Processing Interface
Second attachment: S/370, ESCON, FDDI, 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
Optimal[3] 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)

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

[2]128MB is the maximum additional memory for ID1/ID2 models without Performance Enhancement.

[3]Optimal ranges provide best print quality and reliability.

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