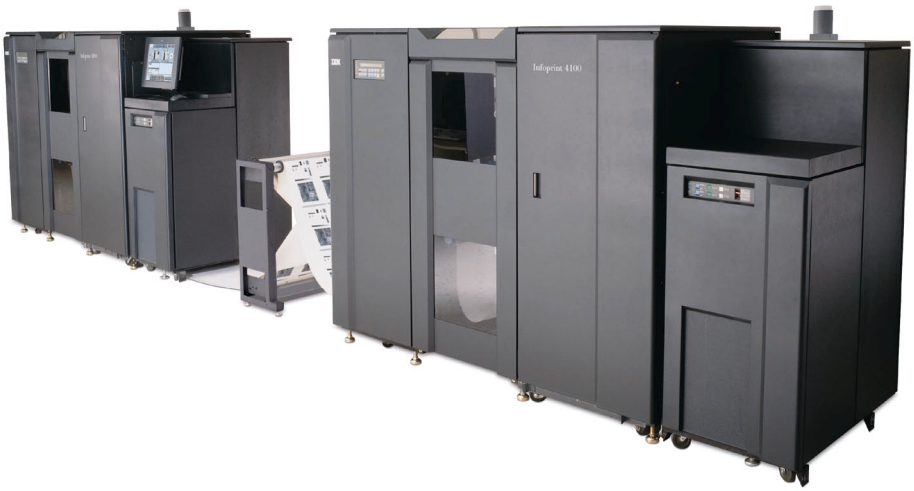
Next-generation digital publishing and statements printing sets a new benchmark in print quality and productivity

IBM Infoprint 4100 Advanced Function Printing System



Highlights

- ***Industry-leading 600-dpi image quality***
- ***Prints true 3-up (with trim and buffer) 6" x 9" pages at up to 1400 impressions per minute***
- ***Extra-wide format (19.5" paper width; up to 19" print width) can reduce total cost of printing***
- ***Technologically advanced features enhance and streamline productivity***

The new IBM® Infoprint®4100 Advanced Function Printing System is a next-generation digital publishing and output solution. For the first time, a high speed continuous forms printer can produce the high image and text quality traditionally available only from cutsheet solutions.

Commercial printers can use the Infoprint 4100 to help reduce the costs of printing short run jobs such as books or technical manuals, while still providing excellent print quality in text, graphics and images.

Enterprise internal print shops can utilize the speed, print quality and flexibility of integrated pinned or pinless operation to print a wide variety of documents from statements to manuals—all on one printer.

Built on a new engine platform, the Infoprint 4100 inherits the advanced functionality of the Infoprint 4000 line of printers, including the Enhanced Operator Console, Forms Identification System, and Simple Network Management Protocol (SNMP) remote monitoring capabilities. With Advanced Function Presentation™ (AFP™) architecture, the Infoprint 4100 is engineered to deliver tremendous performance with its extra-wide print web, outstanding print quality, faster connectivity and multiple cost-saving and user efficiency features.

business printing solutions

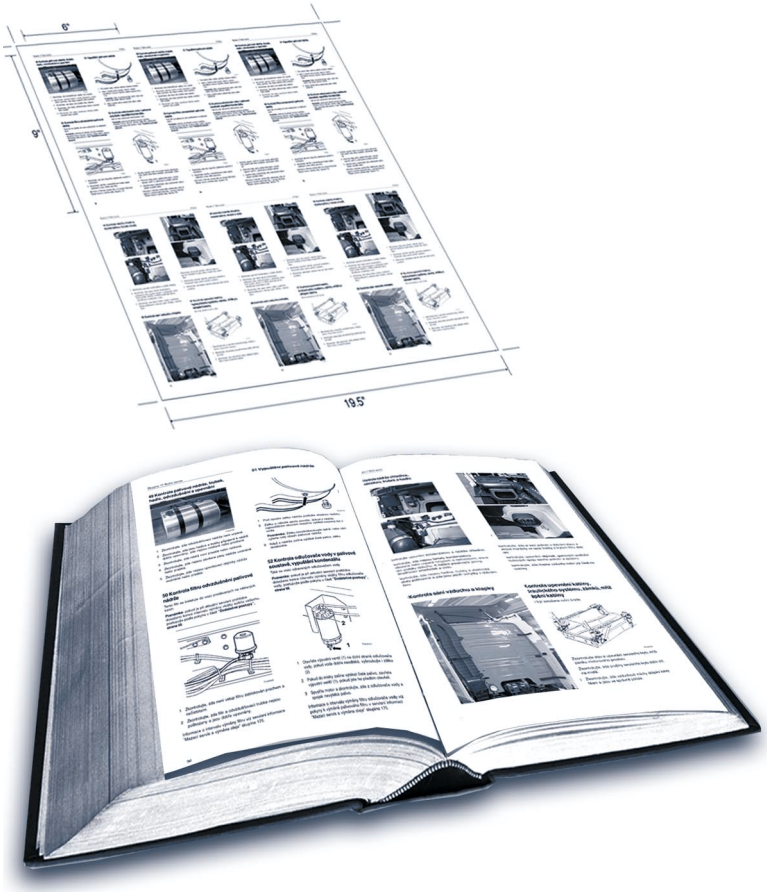
Uncompromising print quality

Providing the highest image and text quality available in high-speed, continuous forms printing today, the IBM Infoprint 4100 produces output that can exceed the print quality of most cutsheet solutions. The Infoprint 4100's hardware enhancements include technological advancements in printhead, developer and fusing mechanisms, plus an integrated optical density feedback system. You can print sharp, clear images and text day after day, job after job.

The software enhancements include customized, selectable halftones with four screen frequencies and an industry-first 256-level grayscale simulation of color objects using IBM patented technologies.

The IBM Infoprint 4100 offers High Quality and Premium Quality models in both simplex and duplex. High Quality models (HS1, HD1/HD2) offer excellent quality in text, image and line graphics for applications such as newspaper prints, text-only books, and statements with text and/or graphics.

Premium Quality models (PS1, PD1/PD2) are designed to print superior halftone images, text and graphics for marketing catalogs and brochures, books with photos, and high value statements with halftone images.



Economy and performance—true 3-up printing with buffer to trim

- *Extra-wide print web—19" print width accommodates 3-up 6"x 9" or A5 with plenty of trim buffer for books, manuals, and loose-leaf documents.*
- *High productivity—up to a phenomenal 1400 ipm throughput in 3-up, 6" by 9" printing mode and 1522 ipm 3-up A5, all with superior print quality*
- *Reduced cost of printing—up to a 33% reduction in usage charge per impression in 3-up printing compared with the same size 2-up printing.*

New time and money saving features:

- High bandwidth connectivity offers flexibility and speed. The Infoprint 4100 introduces IBM's industry-first FICON™ (Fiber Connectivity) as well as Gigabit Ethernet to continuous forms printing. These attachments are extremely fast and can handle complex applications at rated speed. Plus, FICON connectivity allows you the flexibility to cover more distance than ever before.

- Latest in Advanced Function Common Control Unit (AFCCU) technology incorporates superb functionality and performance. The AFCCU features object caching and parallel multi-RIP processing, which are key to streamlined impositioning support and reduced RIP processing times for faster first page out and shorter time to job completion.

- Customer Changeable Developer is an efficient mechanism that allows the operator to change the developer, helping to increase system availability for MICR or highlight color printing[1].

- Any Enhanced Operator Console can do double-duty as an Infoprint Manager workstation, making it possible for operations managers to log-on and manage all their print jobs and print queues while right in the print room. In addition, authorized operators can preview job queues from the printer console, allowing them to prepare for upcoming form changes.

- Autoload and auto-align functions provide fast, easy paper threading for both pinned and pinless operations.

- Operator-switchable pin-fed and pinless printing for the greatest print job flexibility and full printer utilization

- Enhanced Operator Console with large, touch-screen, flat panel display features a clear, intuitive Graphical User Interface to improve productivity and ease of use.

- Forms Identification helps minimize reprint costs by verifying that the correct form is loaded.

- Extra large toner cartridge and developer capacity can result in fewer operator interventions and improved productivity.

- Wider range of media support improves application flexibility, and can lower costs of printing with lighter-weight papers.

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For expanded specifications, visit **ibm.com**/printers/4100

Print Speed (up to)	1-up 8.5" x 11"	1-up ISO A4	2-up 8.5" x 11"	2-up ISO A4	3-up 6" x 9"	3-up A5
Simplex (HS1, PS1)	247 ipm	253 ipm	381 ipm	359 ipm	700 ipm	761 ipm
Duplex (HD1/HD2, PD1/PD2)	494 ipm	506 ipm	762 ipm	718 ipm	1400 ipm	1522 ipm
Usage (max./mo. impressions)[2]	1-up 8.5" x 11"	1-up ISO A4	2-up 8.5" x 11"	2-up ISO A4	3-up 6" x 9"	3-up ISO A5
Simplex/Duplex	6 M/12.1 M	6.2 M/12.4 M	9.4 M/18.8 M	8.7 M/17.5 M	17.2 M/34.4 M	18.7 M/37.5 M

Paper Capacities	**Input:** Up to 16" (408 mm) stack of boxed paper **Output:** Up to 14" (356 mm) stack of paper; or up to 6" stack height with 17" long form. Pre-and Post-processing Interfaces allow additional capabilities and are required for pinless printing. Internal stacker support available for pin-fed paper.	
Media	**Pin-fed**	**Pinless**
Paper width	8.3" to 19.5" (210 mm to 495 mm)	8" to 19.5" (203 mm to 495 mm)
Print width	18.5" (469 mm)	19" (482 mm)
Paper length:	Internal stacker: 7" to 17" (178 mm to 432 mm) Signature Page Support: 5.82" to 54" (148 mm to 1371 mm) for pin-fed and pinless	
Paper weight:	PD1/PD2 12-34 lb (45-127 gsm) PS1, HD1/HD2 ,HS1 12-42 lb (45-160 gsm) Reference Forms Design Guide for detailed specifications.	Duplex 12-28 lb (45-105 gsm) Simplex 12-28 lb (45-105 gsm)
Paper type:	Pin-fed and pinless: preprinted, plain, boxed fanfold forms and roll-fed paper	

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System Attachments	S/370™ Parallel, S/390® ESCON®, FICON™ Channel; Token-Ring; 10/100 BaseT, Gigabit Ethernet; or FDDI		
AFP Software Support	Print Services Facility™ (PSF™)/MVS ™, PSF/VM®, PSF/VSE™, PSF for OS/400®, PSF for OS/390, Infoprint Manager for AIX®, Infoprint Manager for Windows® NT® and 2000		
Standard Features	Operator switchable resolution (480 or 600 dpi) and paper path (pin-fed and pinless), Impositioning[1] Support, 256-level grayscale simulation of AFP color objects, SNMP support, Pre-/Post-processing Interfaces, Flat-panel touch-screen GUI, keyboard and mouse, one system attachment		
Options	Infoprint Forms Identification, Signature Page, additional or advanced Pre-/Post-processing interfaces, second attachment, performance upgrade, additional Customer Changeable Developer, dynamic two-channel switching between two S/370 Parallel attachments or two ESCON channel attachments		
Physical Characteristics (per engine)	Length: 92" to 94" (2,336 mm to 2,387 mm); Depth: 40" (1,016 mm); Height: 61" (1,550 mm); Weight: HD1, PD1 — 2620 lb. (1191 kg) HS1, PS1, HD2, PD2 — 2750 lb. (1250 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 (estimated)	Sleep mode	Ready mode	Printing with 20 lb. paper
60 Hz/50 Hz	1.8kVA	3.6 kVA	9.6kVA
Environmental Conditions			
Permitted ranges:	Temperature: 60.8° to 84.2°F (16° to 29°C)	Relative Humidity: 20% to 80%	
Optimal ranges:	Temperature: 65° to 75°F (18° to 24°C)	Relative Humidity: 40% to 60%	
Acoustics:	50/60 Hz - 8.8 bels (operating) or 7.8 bels (idle)		

[1] Not available initially: IBM intends to deliver this capability at a later date. Please contact your IBM sales representative for availability status.
[2] IBM does not recommend reaching this monthly maximum on a consistent basis.

For more information

To learn more about the IBM Infoprint 4100 Advanced Function Printing System and how it can make your printing operation more efficient, contact your local IBM Printing Systems representative, visit ibm.com/printers or call (800) 358-6661, option 3 (US only).

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