

High-speed, high-productivity output solutions
for continuous forms printing



IBM Infoprint 4000 Advanced Function Printing Systems



Highlights

- **Support business requirements with a wide range of print speeds from up to 235 ipm (1-up simplex, landscape A4) up to 944 ipm (2-up duplex, ISO A4) or 1,002 ipm (2-up duplex, letter size)**
- **Print high quality documents with the exclusive IBM Print Quality Enhancement (PQE) and choice of 240/300 dpi or 480/600 dpi resolution**
- **Increase productivity and enhance flexibility with total output solutions based on IBM Advanced Function Printing* (AFP*) architecture**
- **Achieve high printer reliability supported by world-class services from IBM.**

The high speed and high reliability of the IBM Infoprint* 4000 Advanced Function printing systems are now complemented by new productivity features and application flexibility. With expanded functionality and user-friendly control for highlight colour, MICR and direct mail applications, the Infoprint 4000 printing systems can help you meet demanding production deadlines for high-quality statements, policies, reports and other documents.

Even at the high throughput of 944 ipm, you can choose the optimal output resolution (240/300 dpi or 480/600 dpi) to print 240, 300 or 600 dpi input datastreams. Because of the patented IBM Print Quality Enhancement (PQE) techniques, the Infoprint 4000 printers ensure sharp print quality. PQE creates the appearance of higher resolution printing by intelligently enhancing the bit pattern presentation of text, graphics and images.

Make the right output choice—as your business grows

The Infoprint 4000 family of printers offers a broad range of capabilities with proven reliability and a competitive cost of operation to suit your business needs.

- *The Infoprint 4000 IS1 and IS2 models enable cost-effective continuous forms simplex printing at 240/300 dpi*
- *The Infoprint 4000 ID1/ID2 and ID3/ID4 models are affordable, high-volume systems for high-speed duplex printing at 240/300 dpi*
- *The Infoprint 4000 ID5/ID6 models provide the best combination of high speed and high resolution (480/600 dpi) for critical statement applications.*

As your business grows and changes, upgrade options (such as simplex to duplex or an increase in speed) make it easy to expand output capabilities.

Leverage a leading-edge controller from IBM

Equipped with the powerful IBM Advanced Function Common Control Unit (AFCCU[®]), the Infoprint 4000 printing systems help deliver fast, reliable throughput, industry-leading connectivity and versatile pre- and post-processing interface capabilities. This innovative control unit provides 256-level black-and-white grayscale support for AFP colour objects (ID5/ID6 only) such as images, graphics and text, making it possible to:

- *Reduce application development costs by creating a single AFP application for high-quality printing on both AFP colour and monochrome printers*
- *Maximise customer relationship management and audience segmentation opportunities with high-impact statements*
- *Improve utilisation by scheduling statement printing across colour and monochrome printers at peak times.*

Improve operator control for better efficiency

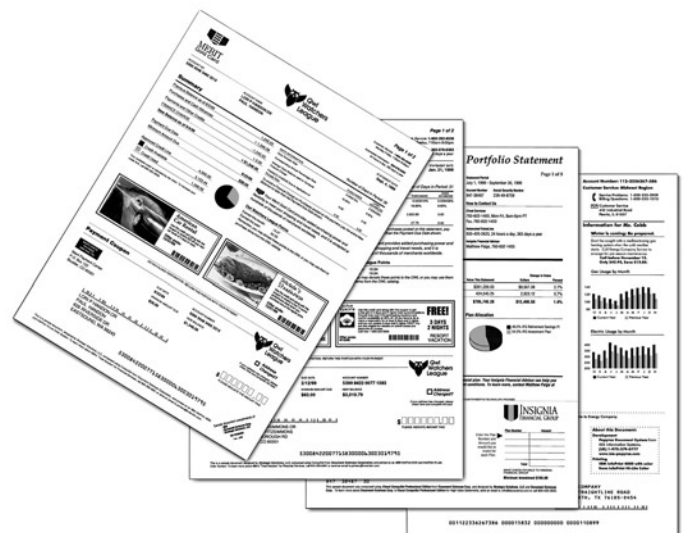
The Infoprint 4000 printing systems use an operations architecture to help improve operator efficiency, output quality and printer utilisation:

- *Operate Infoprint Manager for AIX[®] using the Enhanced Operator Console*
Authorised operators can turn the Enhanced Operator Console into an Infoprint Manager workstation to manage printer and job queues, all from the print room
- *Increase operator control*
Users can shorten job setup times and help ensure consistent quality by reactivating previously saved print settings such as contrast and fusing temperature

- *Improve forms management*
The printers' ability to handle forms up to 28 inches in length, along with the ability to print job separation marks or perforation marks for perf-less paper, can simplify post-processing operations
- *Easily identify forms*
Operators can utilise the Infoprint 4000 Forms ID feature to verify that the correct form is loaded for a print job
- *Use Simple Network Management Protocol (SNMP) to monitor printers*

By monitoring printers remotely or by enabling automatic printer alert notification when paper or toner is out, operators can increase printer utilisation

- *Maintain optimal print quality with Fidelity Manager*
Users can improve efficiency and print quality by running a test job that automatically synchronises the optical density (darkness) of the front and back sides of a page.



Navigate with ease

The Enhanced Operator Console provides a large, touchscreen, flat-panel display with an intuitive graphical user interface (GUI) that makes it easier and faster to:

- *Rapidly perform previously complex tasks with simplified menus and hot keys for frequent functions*
- *Proactively monitor printer and consumables usage status*
- *Confidently control operator-performed tasks with customisable privileges*
- *Quickly resolve printer issues with easy-to-use online help.*

Enhance functionality for reduced costs and improved versatility

Built for maximum versatility, the Infoprint 4000 printing systems include a wide range of features and functionality to support your business requirements:

- *Customer Changeable Developer*
With Customer Changeable Developer (CCD), you can use a single printing system for applications that have different MICR or colour toner requirements. Since the MICR or colour toner is used only as needed, you simply change the black toner developer unit for the MICR or colour unit when a job requires it, so you can reduce printing supplies costs. With the custom-designed developer cart, you can switch the toner quickly and efficiently, keeping system availability high
- *MICR printing reliability*
High-resolution MICR support, available on systems with the operator-switchable 240/300 or 480/600 dpi resolution, gives you the choice of handling a 240 or 300 dpi input datastream at the most effective output resolution and can improve the MICR read rate
- *Two-dimensional (2-D) barcodes*
2-D barcode symbologies can store a large amount of information (up to thousands of bytes of text characters, digits or binary data) in a relatively small space and offer a very high read rate. The Infoprint 4000 printers support a variety of popular 2-D barcodes such as PDF417, Datamatrix and Maxicode to meet your application requirements
- *Heavyweight paper*
Heavyweight paper support enables direct mailers and commercial printers to run a broader set of either simplex or duplex applications using heavier media
- *High quality supplies for optimal performance*
Polyester-enhanced printing supplies for the Infoprint 4000 printers can help improve system printing performance.



Add value to statements for high impact

The Infoprint 4000 printing systems can help you improve customer relationship management by adding value to your statements:

- *Boost customer service and retention by creating more appealing statements that can cross-sell products or services, help build loyalty, reinforce brand image and help reduce costs*
- *Optimise statement readability with enhanced print quality for crisp, clear text, even in small font sizes*

- *Deliver more compelling messages with improved print quality for visual content, such as pie charts, bar charts and marketing graphs or pictures.*

Capitalise on exceptional performance and value

The high speed, high resolution and reliability of the IBM Infoprint 4000 printing systems can provide cost-effective performance and help with investment protection for your demanding, high-volume continuous forms printing needs, both now and as your business evolves. Backed by exceptional IBM service, with 24

hours a day, 7 days a week access to global service and support options, the Infoprint 4000 printing systems deliver outstanding performance and value.

For more information

To learn more about the IBM Infoprint 4000 printing systems, contact your local IBM Printing System representative or visit:

ibm.com/printers/4000

IBM Infoprint 4000 Printers at a glance

Print speed (up to)	1-up ISO A4 (landscape)	1-up 8.5"x11" (landscape)	2-up ISO A4 (portrait)	2-up 8.5"x11" (portrait)
IS1 (simplex)	235 ipm	229 ipm	333 ipm	354 ipm
ID1/ID2 (duplex)	470 ipm	458 ipm	666 ipm	708 ipm
IS2 (simplex)	330 ipm	324 ipm	472 ipm	501 ipm
ID3/ID4, ID5/ID6 (duplex)	660 ipm	648 ipm	944 ipm	1,002 ipm
Usage (imp/month max in millions) ¹	1-up ISO A4 (landscape)	1-up 8.5"x11" (landscape)	2-up ISO A4 (portrait)	2-up 8.5"x11" (portrait)
IS1 (simplex)	5.7	5.6	8.2	8.7
ID1/ID2 (duplex)	11.6	11.2	16.7	17.4
IS2 (simplex)	8.1	8.0	11.5	12.3
ID3/ID4, ID5/ID6 (duplex)	16.2	16.0	23.0	24.6
Paper handling	<i>Standard input</i> Up to 406 mm (16") stack of paper (box)		<i>Standard output</i> Up to 356 mm (14") high stack of paper 178 mm to 356 mm (7" to 14") form length folded	
	Pre- and post-processing interfaces allow additional capabilities such as roll feed paper			
Media	<i>Duplex</i> 229 mm to 457 mm (9" to 18")		<i>Simplex or dual simplex</i> 203 mm to 457 mm (8" to 18")	
Paper width	76 mm to 356 mm (3" to 14") standard stacker Up to 711 mm (28") with post-processing			
Paper length	<i>Duplex</i> 60 g/m ² to 107 g/m ² (60 g/m ² to 160 g/m ² with heavyweight paper support)		<i>Simplex</i> 60 g/m ² to 160 g/m ² IS2 requires heavyweight paper support	
Paper weight	Preprinted or blank fanfold forms and roll-feed paper; some label (See Forms Design Reference guide for more detailed information at ibm.com/printers/forms)			
Paper type				
Printer attachments	S/370 [®] Parallel Channel, S/390 [®] ESCON [®] Channel; Token-Ring; FDDI, 10/100 BaseT or Gigabit Ethernet (ID3/ID4, ID5/ID6 only)			
AFP software support	PSF/MVS [®] , PSF/VM, PSF/VSE, PSF for OS/400 [®] PSF for OS/390 [®] , Infoprint Manager for AIX and Infoprint Manager for Windows NT [™] and Windows [™] 2000			

IBM Infoprint 4000 Printers at a glance (continued)

Standard features SNMP remote monitoring; Pre- and Post-Processing Interfaces; Enhanced Operator Console (flat-panel touch-screen and Graphical User Interface, Keyboard and mouse); S/370 Parallel Channel, S/390 ESCON Channel; Token-Ring; FDDI, 10/100 BaseT or Gigabit Ethernet (ID3/ID4, ID5/ID6 only); Toner on-the-fly; Infoprint Operator Control

Resolution	<i>IS1, IS2, ID1/ID2 and ID3/ID4 only:</i>	<i>ID5/ID6 only:</i>
Memory	240, 300 or 240/300 dpi 256 MB	480, 600 or 480/600 dpi 1 GB Grayscale support for AFP colour objects; Gigabit Ethernet attachment (also available on ID3/ID4)

Options CCD MICR or colour; Infoprint Manager operation on the Enhanced Operator Console; Infoprint Fidelity Manager (Duplex only); Infoprint Forms Identification; Infoprint Forms Management; Performance Enhancement; Additional Pre- and Post-Processing Interfaces; Advanced Function Post-Processing Interface; Second attachment: S/370 Parallel Channel, S/390 ESCON Channel; Token-Ring; FDDI, 10/100 BaseT or Gigabit Ethernet (ID3/ID4, ID5/ID6 only)

Physical characteristics	Width	Depth	Height
(per engine)	2,339 mm to 2,402 mm	930 mm to 955 mm	1,500 mm

Weight	<i>ID1, ID3, ID5</i>	<i>IS1, IS2, ID2, ID4 and ID6</i>
	1,087 kg to 1,101 kg	1,128 kg to 1,141 kg

Power requirements

(Voltage determined by country standards) 200/220 VAC /50 Hz, 3-phase, 4-wire
380/400/415 VAC/50 Hz, 3-phase, 5-wire

Power consumption	<i>Sleep mode</i>	<i>Ready mode</i>	<i>Printing with 20 lb. paper</i>
50Hz	1.75 kVA (IS1, IS2) 1.85 kVA (ID1/ID2, ID3/ID4 and ID5/ID6)	3.48 kVA (IS1, IS2) 3.58 kVA (ID1/ID2, ID3/ID4 and ID5/ID6)	10.3 kVA (IS1/IS2) 9.88 kVA (ID1/ID2 and ID3/ID4)

Environmental conditions

Permitted ranges Temperature: 16° to 29° C, relative humidity: 20% to 80%
Optimal ranges Temperature: 18° to 24° C, relative humidity: 40% to 60%
Acoustics 50/60 Hz - 65 dBA (operating) or 57 to 58 dBA (idle)



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