

Providing easy-to-implement, cost-effective  
and reliable high-speed printing solutions



## IBM Infoprint 2090ES and Infoprint 2105ES



Infoprint 2105ES

Infoprint 2090ES

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### Highlights

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- **Offers high-quality, high-function cutsheet printing with copying/scanning capabilities**
- **Offers multifunction capabilities including scan to email/server/fax<sup>1</sup>**
- **Provides a powerful IBM controller for optimal performance and flexibility**
- **Prints at speeds of up to 90 or 105 ppm<sup>2</sup> respectively with 1200 x 1200 dpi resolution**

### Capitalizing on versatility for business success

To enhance productivity and enable operating efficiency, companies need flexible, integrated output solutions. These solutions must offer fast print speeds, exceptional quality, a wide range of multifunctional capabilities and easy system integration—all at an attractive total cost of ownership.

The IBM Infoprint® 2090ES and Infoprint 2105ES are full-function, high-speed, enhanced printing systems that operate at speeds of up to 90 and 105 pages per minute (ppm)<sup>2</sup>

respectively, and that provide 1200 x 1200 dots-per-inch (dpi) resolution to produce high-quality images and graphics. Among the first to effectively combine a true data-center-centric controller with copying and scanning capabilities, both the Infoprint 2090ES and Infoprint 2105ES are easy-to-use solutions that can help you gain a competitive edge.

### Improving productivity with high-speed printing

The Infoprint 2090ES and Infoprint 2105ES meet the need for fast output speed, moderate duty cycles and flexible capabilities while helping you achieve low operating costs. Designed to meet IBM @server iSeries™ and IBM @server zSeries™ customer requirements, while remaining compatible with other systems, the Infoprint 2090ES and Infoprint 2105ES are high-function production printers that facilitate consolidation between information technology and repro-graphics production centers. They are also ideal for distributed environments where they can serve as consolidated printing, copying and scanning solutions.

The Infoprint 2090ES and Infoprint 2105ES are the only printers in their class and price range that have native IBM Intelligent Printer Data Stream™ (IPDS™) capabilities. IPDS is a printer-device datastream that controls printer functions and enables two-way communication between the printer and the printer driver. IPDS printing provides for a cooperative print management system that can help improve error recovery, speed and reliability. The Infoprint 2090ES and Infoprint 2105ES also support Portable Document Format (PDF), Adobe® PostScript® and Printer Control Language (PCL), Xerox datastreams (via transform), and automatic switching between datastreams.

To provide enhanced capabilities, the IBM Infoprint 2090ES and Infoprint 2105ES are equipped with an integrated scanner that supports digital network scanning at up to 80 impressions per minute (ipm)<sup>3</sup>. Powerful, yet easy to use, the capabilities of the integrated scanner can be integrated with network systems to enable scan to email, fax and server.

### Enhancing operating efficiency and controlling costs

Designed as full-function, cost-effective multifunction solutions, the Infoprint 2090ES and Infoprint 2105ES can help increase productivity while reducing the total cost of printing. The combination of a base maintenance plan option with a cost-effective monthly fee and click charges<sup>4</sup> that include toner presents attractive overall operating costs—making the Infoprint 2090ES and Infoprint 2105ES very affordable products.

Both printers can meet your volume and cost requirements by offering up to seven input trays that hold up to 8,250 sheets and an optional interposer tray—allowing you to intertwine different colored stock without paying for manual insertion. Output trays feature high-capacity stitcher/stacker capabilities with up to a 3,000-sheet capacity, and a top tray holds up to

500 sheets. Several finisher options, including the booklet maker, support stapling in numerous positions and optional switchable hole-punch kits are available.

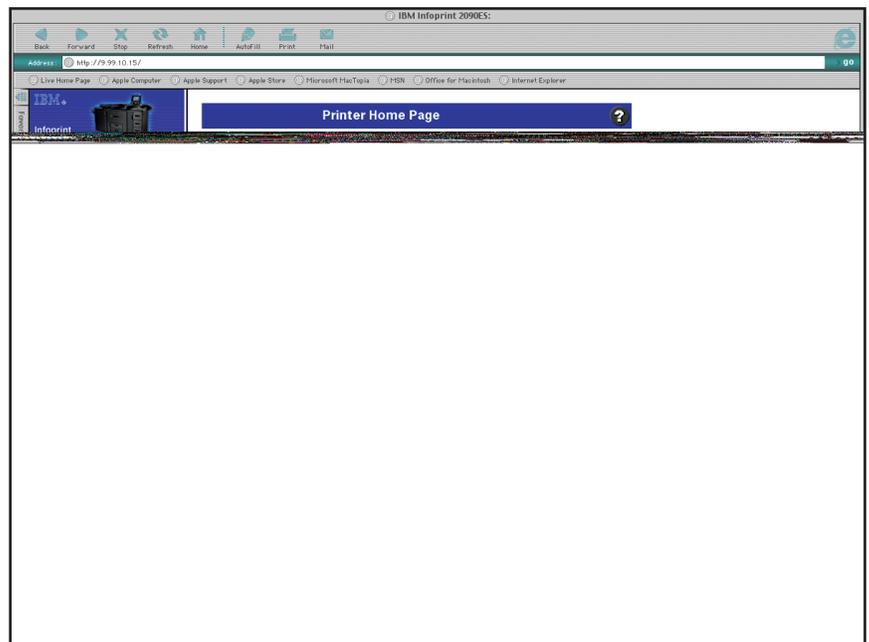
### Maximizing flexibility and efficiency with robust features

The Infoprint 2090ES and Infoprint 2105ES support multiple connectivity options. In addition to a walk-up touch-screen, easy-to-use graphical user interface (GUI) and superior status notification, the IBM controller—in conjunction with other IBM software products and optional features—offers the following advanced functions:

#### *Printer-resident Web pages—*

Operators and administrators can view printer-resident Web pages through a browser using the printer Internet Protocol (IP) address. You can use Web-pull printing or direct printing to submit print jobs.

*Easily manage resources  
and submit print jobs  
through printer-resident  
Web pages.*



*e-mail printing and notification*—A user can send e-mail with attachments (PostScript, PDF and PCL) to the printer, which can print directly from the e-mail. Web-pull printing and e-mail printing are valuable tools to remote sales users, who can have the printer automatically prepare customer collateral for pickup upon arrival at the office. The Infoprint 2090ES and Infoprint 2105ES can also send notification to cell phones via an IP address to ensure that the user or operator receives immediate status information.

*Send and save*—Any user can send jobs to be held for later release, archive to the document server and use personal identification numbers for added security.

*IBM Network Printer Manager (NPM) for Microsoft® Windows®*—IBM NPM has an easy-to-use GUI, allowing network administrators to quickly set up Notification Manager for the Infoprint 2090ES and Infoprint 2105ES. Whether printers are low on toner, out of paper or need other attention, these notifications can quickly get the right information to the right resources, helping to improve printer uptime and end-user productivity.

*Scan to email, server and fax*— Any user can scan documents to email or a server. With a simple press of the scanner button, the document can be sent by entering an email address or by choosing from an address book. The printer can send data as email, pdf or TIFF attachment.

Printers at a glance		IBM Infoprint 2090ES	IBM Infoprint 2105ES
<b>Hardware components</b>			
Printer controller	800 MHz PowerPC 750FX processor; 40GB hard drive; 10/100/1000 BaseT Ethernet; 512 MB RAM; 1200 dpi; optional Token-Ring, up to 1.0 GB optional memory; optional wireless		
Copier controller	2 x 40GB hard drives 128 MB RAM	2 x 40GB hard drives 128MB RAM	
<b>Print speed (up to)<sup>2</sup></b>	90 ppm (letter/A4)	105 ppm (letter/A4)	
<b>Copy speed (up to)<sup>3</sup></b>	80 ipm (letter/A4)	80 ipm (letter/A4)	
<b>Max. usage<sup>5</sup> (letter/A4)</b>	Up to 800,000 imp./month	Up to 1 million imp./month	
<b>Paper handling</b>			
Standard input capacity	One tandem 2,000-sheet drawer; two 500-sheet drawers		
Optional input capacity	High-capacity feeder with two 1,000-sheet drawers and one 2,550-sheet drawer; one 500-sheet auxiliary tray; one 200-sheet interposer tray		
Output capacity (must choose one)	3,500-sheet finisher with up to 100-sheet stapler; 3,750-sheet booklet maker with up to 50-sheet stapler		
<b>Media sizes</b>	5.5" x 8.5"; 7.25" x 10.5"; 8" x 10"; 12"x18"; 8.5" x 13" (folio); 10" x 14"; 8.5" x 11"; 10" x 15"; 8.5" x 14"; 8" x 10.5"; 8.25" x 13"; 8.25" x 14; 11"x14"; 11" x 17"; 11" x 15"; 148 x 210 mm 210 x 297 mm; 297 x 420 mm; 257 x 264 mm; 182 x 257 mm; 170 x 210 mm; 182 x 210 mm; 210 x 340 mm; custom (feeds out of drawers 2 and 3, no hole punch or staple, runs at half speed)		
<b>Media types/weights<sup>6</sup></b>	16 lb bond to 110 lb index (52g/m <sup>2</sup> to 216 g/m <sup>2</sup> ); xerographic bond; rag bond; ledger grain long; dual-purpose; cover stock; short/long grain stocks; labels; transparencies		
<b>Environmental conditions</b>		<b>IBM Infoprint 2090ES</b>	<b>IBM Infoprint 2105ES<sup>7</sup></b>
Permitted ranges: temperature	50 to 90 deg. F (10 to 32 deg. C)		50 to 90 deg. F (10 to 32 deg. C)
Humidity	15% to 80% RH		15% to 80% RH
Acoustics	78 dbA (operating); 64 dbA (idle)		80 dbA (operating); 69 dbA (idle)
<b>Communication protocols</b>			
TCP/IP; IPX/SPX; Ethertalk/Tokentalk; NetBIOS/NetBEUI; IPP			
<b>Print language support</b>		Optional—PCL5e, PCL6, PS 3, PDF, IPDS, LCDS/Metacode (via transform)	
<b>Software support</b>			
PSF for OS/390®; PSF/400; PSF/VSE; PSF/VM; Infoprint Manager for Windows NT® and Windows 2000; Infoprint Manager for AIX®; Network Port Monitor; Network Printer Manager			
<b>Print drivers</b>		Windows 2000/XP/NET/ME 32 bit PostScript 3™/PCL 6 drivers; Mac OS X/classic/Native PS/PCL drivers; AIX 4.3x - 5.2/5L 32 bit PS/PCL drivers; Sun Solaris 7/8/9 Sparc drivers; SCO UNIX® Openserver 5 PS/PCL driver; HP-UX 11.00/11.20 PS/PCL drivers; Linux PostScript 3 drivers	
<b>Physical characteristics</b>		<b>Width</b>	<b>Depth</b>
Base printer	34.3" (870 mm)	32.8" (859 mm)	58.1" (1,476 mm)
Max. configuration	99.5" (2,804 mm)	33.8" (859 mm)	58.1" (1,476 mm)
<b>Weight</b>		605 lbs (275 kg)	
<b>Power requirements</b>			
North America	208-240V, 60Hz, 20 amps		208-240V, 60Hz, 20 amps
EMEA	220-240V, 50/60Hz, 16 amps		220-240V, 50/60Hz, 16 amps
Japan	200V, 50/60Hz, 15 amps		200V, 50/60Hz, 15 amps

1 Requires additional accessories, sold separately

2 Exact speed varies depending on document complexity, system configuration, software application, driver and printer state.

3 Exact scan speed varies depending on the document attributes, system configuration and user select settings.

4 Not available in all countries.

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

6 Hole-punching on tabs in printer mode may cause excessive jams if using heavy-stock paper above 90 lb./163 gsm index.

7 The IBM Infoprint 2105ES cannot run more than 20,000 impressions per day or 440,000 impressions per month when temperatures are consistently between 81 and 84 deg. F (27 and 29 deg. C); and cannot run more than 10,000 impressions per day or 220,000 impressions per month when temperatures are consistently between 84 and 90 deg. F (29 and 32 deg. C).

*Network status page*—To help determine the cause of printing problems, operators and administrators can use the network status screen of the Infoprint 2090ES and Infoprint 2105ES to view the realtime status of various printer-related network communications.

*Downloadable job log*—Users can capture valuable accounting information of jobs that are sent from their network.

### **Offering exceptional performance and value**

The high-function IBM Infoprint 2090ES and Infoprint 2105ES provide exceptional performance and can effectively handle your moderate monthly duty cycles at very high speeds—all at an attractive total

cost of ownership. The printing and copying functions allow for device consolidation and can help increase productivity. And the Infoprint 2090ES and Infoprint 2105ES are backed by unmatched IBM service—flexible maintenance options include customizable, comprehensive, global service and support.

### **Competitive financing options from IBM Global Financing**

IBM Global Financing offers some of the industry's most competitive rates for a wide range of IBM products and services.

### **For more information**

To learn more about the IBM Infoprint 2090ES and Infoprint 2105ES, call 1-800-IBM-4-YOU (426-4968) or visit:

**IBM Printer Outlet.com  
1-866-430-6202**



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