



# The IBM Infoprint 1412: New low-cost printer for small workgroups features fast processor and output speed to meet demanding needs

## Overview

The IBM Infoprint® 1412 printer offers up to 27 pages per minute (PPM)<sup>1</sup> monochrome printing for small businesses or workgroup printing needs for a large businesses. Best of all, the printer offers this capability at very affordable cost.

The Infoprint 1412 replaces the popular Infoprint 1312. It provides:

- High-performance controller technology utilizing a 200 MHz processor
- 32 MB of memory standard and maximum of 160 MB of memory
- First page out time as fast as 8(1) seconds
- Optional token-ring, Ethernet connectivity
- Optional wireless connectivity on network model
- 2400 Image Quality and 1200 x 1200 dpi resolution at up to half speed

<sup>1</sup> Exact print speed varies depending on document complexity, system configuration, software applications, driver, and printer status.

## Planned availability dates

June 18, 2004

United States government models: July 30, 2004

## At a glance

IBM Infoprint 1412 is the ideal printer for small businesses and small workgroups that require a versatile and affordable monochrome laser printer. This latest addition to IBM's workgroup printer line replaces the Infoprint 1312 printer and offers:

- Printing up to 27 PPM<sup>1</sup>
- Comes with 32 MB of memory standard and 160 MB of memory maximum
- Offers 2400 Image Quality and 1200 x 1200 dpi printing (at up to half speed)
- Offers Token-Ring, Ethernet and wireless connectivity options

<sup>1</sup> Exact print speed varies depending on document complexity, system configuration, software applications, driver, and printer status.

### For ordering, contact:

Your IBM representative, an IBM Business Partner, or the Americas Call Centers at

**800-IBM-CALL**

Reference: YE001

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## Description

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The IBM Infoprint 1412 is an A4/Letter monochrome printer with print speeds of up to 27 PPM<sup>1</sup>. It comes in base and network models each which includes 32 MB memory, IEEE 1284 Parallel interface with a type B connector and a Universal Serial Bus (USB) interface as standard. The network model includes a 10/100BaseTX Ethernet connection. All models come with a 250-sheet drawer and a single sheet auxiliary tray for input and 150-sheet output.

<sup>1</sup> Exact print speed varies depending on document complexity, system configuration, software applications, driver, and printer status.

### Controller

The Infoprint 1412 controller features a 200 MHz Lawrin ASIC processor. It comes with PostScript 3 emulation and PCL 6 emulation as standard datastreams and a PPDS migration tool.

### Memory

The Infoprint 1412 has 32 MB of memory soldered on board. There one slot for an optional memory DIMM and one slot for optional flash memory. A maximum of 32 MB of flash memory is supported.

### Attachment interfaces

The Infoprint 1412 supports optional external Ethernet and Token-Ring attachments. The network model includes an internal 10/100BaseTX Ethernet interface. Optional wireless Ethernet is also available.

### Media handling features

In addition to the standard 250-sheet drawer and single sheet auxiliary inputs, an optional 550-sheet drawer is available. This gives a maximum input of 800-sheets plus auxiliary tray. There are no output options.

**Usage rates:** The maximum monthly usage is 15,000 impressions. IBM does not recommend printing to the monthly maximum on a consistent basis.

### Print quality

The Infoprint 1412 supports following resolutions:

- 2400IQ (with Image Enhancement Technology) default resolution out of the box
- 1200 x 1200 dpi (at up to half speed)

The Toner Darkness setting offers you ten selectable levels with level 10 being the darkest. This allows you to conserve toner by selecting the darkest settings only when needed. Level 8 is the default setting. The printer offers up to 50% toner savings to help reduce the cost of printing.

The Toner Darkness menu is available through the operator panel under the Print Quality menu and also accessible through the Infoprint 1412 PostScript Driver.

### Font support

The printer's resident fonts include support for following:

Emulation	Number of scalable fonts	Number of bitmapped fonts
PCL 6	89	2
PostScript 3	89	0
PPDS	39	5

### Additional information

All offers are subject to availability. IBM reserves the right to alter product offerings and specifications at any time without notice. IBM is not responsible for photographic or typographic errors.

IBM makes no representation or warranty regarding third-party products or services.

### Accessibility by people with disabilities

#### For hardware offerings

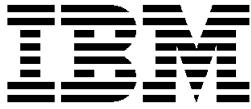
The following features support use by people with disabilities:

- Controls and latches are operable with one hand and minimal dexterity.
- Keys are discernible by touch without activating them.
- The display, controls, latches, and levers are accessible to someone in a wheel chair.
- Color is used as an enhancement for conveying information, and as an additional method of distinguishing between buttons, controls, and latches.

#### Trademarks

Infoprint is a registered trademark of International Business Machines Corporation in the United States or other countries or both.

Other company, product, and service names may be trademarks or service marks of others.



# IBM US Announcement Supplemental Information

June 1, 2004

## Publications

All publications are downloadable from the IBM Web site

<http://www.printers.ibm.com>

The following publications are shipped with the products:

- Infoprint® 1412 Setup Sheet (wordless)
- IBM Quick Reference Card

## Services

### Integrated Technology Services (IBM Global Services)

IBM services range from business consulting, outsourcing, hosting services, applications and other technology management.

IBM technology services help you learn about, plan, install, manage, or optimize your IT infrastructure for e-business. We can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

Visit the appropriate link below for details on services available dependant on the brand the product belongs to.

For details on education offerings related to the products listed, visit

<http://www.ibm.com/services/learning/index.html>

Select your country, and then select the product as the category.

For more details on IBM Global Services capabilities, contact your IBM representative, or visit

<http://www.ibm.com/services/>

Your IBM representative can help you determine availability of standard and customized services.

## Technical information

### Specified operating environment

#### Physical specifications

##### Dimensions

	Width	Depth	Height	Weight <sup>1</sup>
Base and Network Printer	396.2 mm (15.6 in)	353.1 mm (13.9 in)	248.9 mm (9.8 in)	9.98 kg (22 lb)

<sup>1</sup> Weights for low voltage and high voltage modes are the same.

### Recommended clearances

	Left	Right	Front	Back	Top
Base and Network Printers	300 mm (12 in)	300 mm (12 in)	200 mm (8 in)	50 mm (2 in)	150 mm (6 in)

### Operating environment

Operating Temperature (degrees) and Relative Humidity:

60°F (15.6°C)	75°F (22.2°C)	78°F (25.5°C)	90°F (32.2°C)
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8%	40%	80%	45%
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Altitude: 2,500 meters (8,200 ft)

#### Storage and Shipping (Packed)

Temperature (degrees):	-20° to 40°C (-4° to 104°F)
Relative Humidity:	8% to 95%
Altitude:	10,300 meters (34,000 ft)

#### Storage and Shipping (Unpacked)

Temperature (degrees):	0 to 40°C (32° to 104°F)
Relative Humidity:	8% to 80%

### Electrical specifications

#### Low voltage models

- 110 — 127 V ac at 50 to 60 +/-3 Hz nominal
- 90 — 135 V ac extreme

#### High voltage models

- 220 — 240 V ac at 50/60 +/-3 Hz nominal
- 198 — 259 V ac extreme

#### Power consumption

Printing states	1412/1412 n
Average power while printing	420 watts
Power Saver Mode	7 watts
Maximum current while printing	
110 Volts	7.7 amps
220 Volts	3.4 amps
Average current while printing	
110 Volts	4.4 amps
220 Volts	2.1 amps

#### Notes

- All models are Energy Star compliant.

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

**Acoustics:** All measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

**Base and network models**

Mode	Sound pressure dBA
Printing	52 dBA
Idle (Standby)	30 dBA

**Planning information**

**Customer responsibilities:** Infoprint 1412 is designed as a Customer Setup Unit (CSU). The customer is responsible for:

- Adequate site, system, and other vendor preparation
- Receipt at the customer location and placement of the printer
- Installation and configuration of the printer and features by following the installation instructions including:
  - Installing and maintaining cables
  - Loading print media and clearing jams
  - Performing low-level problem determination
  - Ordering and installing supplies and consumables
- Working with IBM Technical Support to complete low-level problem determination including:
  - Downloading and installing microcode updates as directed by the IBM Technical Support Center
  - Replacing defective features that were installed as part of the customer setup process

It is the customer's responsibility to order and maintain an adequate inventory of toner cartridges and supplies items.

**Cable orders:** Attachment cables are not provided with the printer and must be provided or purchased by the customer. They are the responsibility of the customer and are not covered by product warranty or post-warranty services.

The Parallel printer cable features are recommended when attaching the printer to a Parallel port.

The Universal Serial Bus (USB) cable feature is recommended when attaching the printer to a USB port.

**Packaging**

Product	Description	Number of boxes
27 PPM Printer (Model 001)	Low-volt printer with 32 MB memory and 1.5K print cartridges, Quick Reference Card, Setup Guide, Publication CD, Registration Card, Operator Panel Overlays (non-English), Drivers, Utilities and MarkVision CD, and power cord	1

Product	Description	Number of boxes
27 PPM n Printer (Model n01)	Low-volt printer with Ethernet, 32 MB memory and 2.5K print cartridges, Quick Reference Card, Setup Guide, Publication CD, Registration Card, Operator Panel Overlays (non-English), Drivers, Utilities and MarkVision CD, and power cord	1

27 PPM Printer (Model 002)	High-volt printer with 32 MB memory and 1.5K print cartridges, Quick Reference Card, Setup Guide, Publication CD, Registration Card, Operator Panel Overlays (non-English), Drivers, Utilities and MarkVision CD, and power cord	1
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27 PPM n Printer (Model n02)	High-volt printer with Ethernet, 32 MB memory and 2.5K print cartridges, Quick Reference Card, Setup Guide, Publication CD, Registration Card, Operator Panel Overlays (non-English), Drivers, Utilities and MarkVision CD, and power cord	1
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**Supplies:** No supplies are required with the machine order. Infoprint 1412 is shipped with a 1,500-impressions<sup>2</sup> starter print cartridge for the base models and a 2,500-impressions<sup>1</sup> print cartridge for the network models. Replacement 2,500- and 6,000-impressions print cartridges are available. It is the customer's responsibility to order and maintain an adequate inventory of toner cartridges.

IBM customers have come to expect high-quality supplies with competitive prices. IBM now offers a second option for purchasing supplies. Our program offers you an opportunity to obtain toner cartridges that are even more competitively priced than before.

Through the IBM Printer Supplies Return Program, you may obtain a specially priced toner cartridge in exchange for your agreement to return your empty toner cartridges back to IBM for recycling. To make it even easier, you receive postage-paid return labels to cover toner return costs.

If you decide that you would rather not return the toner cartridge to IBM for recycling, you will have the option to purchase a standard toner cartridge at regular prices.

This program may not be available in all countries.

<sup>2</sup> Average yield is based on comparative testing (assumes 5% print coverage) and is offered for planning purposes only, not a guarantee of minimum life.

**Consumables**

The following replacement supplies are available for Infoprint 1412:

Description	Models	Part number	Approximate Average Yield <sup>3</sup>
Toner Cartridge	All	75P5708	2,500 impressions

Description	Models	Part number	Approximate Average Yield <sup>3</sup>
IBM Return Program Toner Cartridge	All	75P5709	2,500 impressions
High Yield Toner Cartridge	All	75P5710	6,000 impressions
IBM Return Program High Yield Toner Cartridge	All	75P5711	6,000 impressions

<sup>3</sup> Approximate yield has been established with an average coverage of 5%. An "impression" is defined as one printed side of a sheet. A duplex sheet would consist of two impressions.

The approximate average yields are not a warranty or guarantee of minimum life, and are provided to assist in initial supplies planning. Actual usage should be used to establish the supply's life in the end user's application. Many factors (for example, print coverage per page, machine settings, paper type and size, and environmental conditions) can affect supply life.

**Maintenance supplies**

The following maintenance supplies are available for Infoprint 1412:

Description	Models	Part number	Approximate Average Yield
Photoconductor Kit	All	75P5712	30,000 impressions

The above items for Infoprint 1412 are considered supplies and, as such, are not available from IBM service or included in the warranty or maintenance service agreement.

The approximate average yields are not a warranty or guarantee of minimum life, and are provided to assist in initial supplies planning. Actual usage should be used to establish the supply's life in the end user's application. Many factors (for example, print coverage per page, machine settings, paper type and size, and environmental conditions) can affect supply life.

Supply warranties are only for defects in materials and workmanship at the time of shipment and installation. They are not for print count life or normal wear and tear, nor for any print count minimum. Contact your place of purchase for warranty return instructions.

IBM is committed to environmentally conscious programs for printer supplies. A collection program for used printer cartridges has been established and return instructions are included in the supply item packaging, with free return shipping.

IBM Printing Supplies are distributed by Priority Fulfillment Services (PFS) and a worldwide network of resellers. End users can contact PFS at 888-IBM-PRINT (888-426-7746) for the name of an IBM reseller in their area where IBM printing supplies can be purchased.

Resellers can mail orders for IBM printing supplies to PFS at the following address:

Priority Fulfillment Services  
500 North Central Expressway  
Plano, TX 75074  
Telephone: 888-IBM-PRINT (426-7746)  
Fax: 972-881-9201

To contact PFS, call (United States) 972-881-0733 extension 3234.

**Security, auditability, and control**

This product uses the security and auditability features of the host hardware, host software, and application software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

**Terms and conditions**

This product is available for purchase under the terms of the IBM Customer Agreement.

Each IBM Machine is manufactured from parts that may be new or used. In some cases, a Machine may not be new and may have been previously installed.

Regardless, IBM's appropriate warranty terms apply.

**Volume orders:** Contact your IBM representative.

**IBM Global Financing:** Yes

**Warranty and Maintenance**

**Warranty period**

- Base Printer — 12 Months
- Optional Features — 12 Months

**Hourly Service Class:** Two

**Warranty Service**

- Technical support during warranty period
- IBM Courier Exchange (ICE) "EasyServ" 9 x 5 Next Business Day Response

**Warranty Service upgrades**

- IBM On-Site Repair (IOR) 9 x 5, Next Business Day Response
- IOR 24 x 7 Same Day Response

**Post Warranty Service**

- IBM Courier Exchange (ICE) "EasyServ" 9 x 5 Next Business Day Response
- IOR 9 x 5 Next Business Day Response
- IOR 24 x 7 Same Day Response

**ServicePacs for Warranty and Maintenance Options:** Refer to **Prices** section for ServicePac® offerings.

**Maintenance processing:** Low-end.

**Hourly Service Class:** Two.

**Maintenance billing:** Quarterly

**Field-installable features:** Yes

**Model conversions:** No

**Machine installation:** Customer Setup, customers are responsible for installation according to the instructions IBM provides with the Machine.

**Graduated charges:** No. This product does not contain Licensed Internal Code or Licensed Machine Code.

**Educational allowance available:** None

## Prices

All features are both plant and field installable.

Machine type	Model	Feature number	Part number	Description	List price
4547	001		75P5759	Infoprint 1412 NA (LV)	\$427
4547	n01		75P5760	Infoprint 1412 n NA (LV)	517
4547	004		75P5815	Infoprint 1412 GV (LV)	427
4547	n04		75P5816	Infoprint 1412 n GV (LV)	517
4547	005		75P5910	Infoprint 1412 GV (HV)	427
4547	n05		75P5911	Infoprint 1412 n GV (HV)	517
		4504	75P6112	250-Sheet Tray	92
		4505	75P5819	550-Sheet Drawer	212
		4506	75P5820	550-Sheet Tray	108
		4316	53P7602	16 Memory DIMM	159
		4332	53P7603	32 Memory DIMM	305
		4364	53P7604	64 MB Memory DIMM	580
		4390	53P7605	128 MB Memory DIMM	927
		4036	75P4690	16 MB Flash Memory	231
		4038	75P4691	32 MB Flash Memory	439
		4871	28P1862	Optra Forms Software	479
		4872	28P1863	Optra Forms Director	822
		4880	53P9307	Optra Forms Manager	185
		4876	75P4693	Optra Forms 32 MB Flash Card	772
		4881	75P4694	Optra Forms 16 MB Flash Card	564
		4121	28P1836	Token-Ring (3 ports)	573
		4163	28P1839	Ethernet 10/100BaseTX (1 port)	275
		4164	28P1840	Ethernet 10/100BaseTX (3ports)	380
		4165	28P1841	Ethernet 10/100BaseTX/10Base2	287
		4170	53P7854	802.11b Wireless Adapter	212
		4174	75P5449	Ethernet to USB Adapter	137
		4132	28P1845	External Serial Adapter	105
		4180	28P1871	Parallel 10 ft. Cable	26
		4183	28P1874	Serial 50 ft. Cable	38
		4184	28P1875	USB 2 meter Cable	20
		4810	75P4705	Japanese Font Card	239
		4811	75P4703	Simplified Chinese Font Card	239
		4812	75P4704	Traditional Chinese Font Card	239
		4813	75P5306	Korean Font Card	239

### ServicePacs

Machine type	Model	Description	Electronic part number	List price
4547	001, n01	SVCPAC PTR 2YR EZS 9X5/ND	29R5514	\$ 49.00
4547	001, n01	SVCPAC PTR 3YR EZS 9X5/ND	29R5515	89.00
4547	001, n01	SVCPAC PTR 1YR IOR 9X5/ND	29R5518	46.80
4547	001, n01	SVCPAC PTR 3YR IOR 9X5/ND	29R5520	249.60
4547	001, n01	SVCPAC PTR 1YR IOR 24X7/SD	29R5523	93.60
4547	001, n01	SVCPAC PTR 3YR IOR 24X7/SD	29R5525	499.20
4547	001, n01	SVCPAC PTR 2YR IOR 9X5/ND	29R5526	165.60
4547	001, n01	SVCPAC PTR 2YR IOR 24X7/SD	29R5527	331.20

### Maintenance Charges

#### Low End Alternative Service Charges

Description	Machine type	From service	To service	Price
Infoprint 1412	4547	EASY-SERV	IOR 9 X 5	\$ 51
Infoprint 1412	4547	EASY-SERV	IOR 24 X 7	102

## Low End Annual Minimum Maintenance Charges

Description	Machine Type	Service Offering	Price
Infoprint 1412	4547	EASY-SERV	\$ 32
Infoprint 1412	4547	IOR 9 X 5	91
Infoprint 1412	4547	IOR 24 X 7	182

For ServiceElect (ESA) Maintenance Service Charges, contact IBM Global Services at 888-IBM-4343 (426-4343).

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### Order now

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To order, contact the Americas Call Centers, your local IBM representative, or your IBM Business Partner.

To identify your local IBM representative or IBM Business Partner, call 800-IBM-4YOU (426-4968).

Phone: 800-IBM-CALL (426-2255)  
Fax: 800-2IBM-FAX (242-6329)  
Internet: [ibm\\_direct@vnet.ibm.com](mailto:ibm_direct@vnet.ibm.com)  
Mail: IBM Americas Call Centers  
Dept: IBM CALL, 11th Floor  
105 Moatfield Drive  
North York, Ontario  
Canada M3B 3R1

Reference: YE001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

**Note:** Shipments will begin after the planned availability date.

#### **Trademarks**

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