



IBM Infoprint 1585 (MT 4539) provides fast monochrome ledger-size output for large workgroups

Overview

IBM is updating its comprehensive printer family with the introduction of the Infoprint® 1585 (machine type 4539). The Infoprint 1585 is a 50 page per minute (ppm)¹ letter/A4 and 28 ppm¹ for 11 x 17 in/A3 monochrome laser printer that supports wide format printing, optional two-sided printing, a quick first-page-out time as fast as 7 seconds, and extensive input and output options to enable scalable solutions with reduced costs and increased productivity.

Printing complex jobs is made easier with the powerful 625 MHz processor, 256 MB of standard memory, and an optional hard-drive upgrade. Produce great-looking documents with industry-leading print quality and achieve professional results with 2400IQ print resolution and true 1200 by 1200 dpi at full speed.

The Infoprint 1585 supports a variety of media types and sizes for user flexibility so you can produce complex documents in-house, to save time and cut costs. Paper handling options — such as duplex, high-capacity input, and a finisher — can handle a wide variety of input and output needs. Standard offset stacking capabilities allow for print job separation, and an optional high-capacity finisher on the Infoprint 1585 allows you to take advantage of multi-position stapling and hole punching for optimal productivity.

The operator panel is a four-line 160 x 64 APA (all points addressable) backlit gray scale display, supporting four lines with 20 characters per line. This provides easy navigation and usability is improved with simple to use, large, bold icons on the buttons. Reliability and serviceability are enhanced with “show me” screens and “tell me more” screens.

The Infoprint 1585 can adapt easily to existing infrastructures with the optional 802.11 Wireless feature. This new printer will use the optional wireless feature and reduce installation cost by avoiding the expense of new Ethernet cabling. Add these new printers to handle peak workloads, without waiting for IT to reconfigure cables. Preserve architecture or work around areas that are difficult or impossible to cable.

Print PDF documents quickly and easily. Once a flash memory device (thumb drive) is inserted in the front of the printer, a list of PDF files and directories is displayed. Navigational arrows are used to traverse the list/directory tree. The user can easily select the file, choose the number of copies to be printed, and submit the file for printing. The files are read and printed — no writing to the printer.

The Infoprint 1585 is provided with printer management utilities. MarkVision Professional is a cross-platform print management solution that enables IT administrators to proactively monitor and manage network devices in an enterprise environment via a Web browser.

MarkVision Messenger enhances administrators' quality for service and improves end-user productivity and satisfaction by providing real-time notification of printer conditions and facilitates automated responses to these conditions before they become critical and disruptive to user productivity.

This printer provides several standard and optional features that improve or enhance the security of the device.

At a glance

- Up to 50 ppm letter/A4¹, monochrome printer, supports up to A3/Ledger media
- High-capacity input and output, finishing with multi-position stapling, hole punch, and offset stacking
- High function, easy to use operator interface
- Ability to integrate advanced applications quickly with standard ImageQuick
- Convenient USB Direct Port for PDF printing
- Enhanced security features including secure wireless networking option
- Cross-platform print management solution

¹ 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

Using the latest version of MarkVision Professional, administrators can configure and manage devices by using authenticated and encrypted network communications. Using Confidential Print, a user may assign a PIN to a print job, and have the printer hold that job until the user physically arrives and enters the correct PIN. This will prevent another user from taking the printed output from the output bin.

Planned availability date

September 2, 2005

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>.

Description

The Infoprint 1585 is a monochrome printer that supports up to A3/Ledger-size media at up to 50 pages per minute (ppm) with a time to first page out as fast as 7 seconds. It comes in a network model only. The printer comes standard with 256 MB of memory, a 10/100BaseTX Ethernet port, two 500-sheet drawers, and a 100-sheet multi-purpose feeder. Standard input capacity is 1100 sheets and standard output capacity is 500 sheets. The 1585 has a maximum input capacity of 5100 sheets and a maximum output capacity of 3800 sheets.

High-performance controller

The Infoprint 1585 controller features a 625 MHz Freescale processor. It comes with PostScript 3 and PCL 6 emulation, and a PPDS migration tool.

- Memory

The controller has one slot for memory DIMMs, two slots for flash memory cards or application solution cards, and one slot for internal network adapters, local adapters, or hard drives.

The printer comes with 256 MB of memory soldered onboard and can support a maximum of 768 MB of memory. An optional 20+ GB hard disk with adapter feature is available.

Optional flash memory up to 64 MB is supported using the optional flash memory cards. Flash memory cards can be installed in either application solution slot but the controller supports only one flash memory card.

- Printer system attachment interfaces

The printer comes with an IEEE 1284 Parallel interface with a type B connector, a Universal Serial Bus (USB), and a 10/100BaseTX interface as standard. The standard Fast Ethernet interface does not take up the network adapter slot. Optional wireless Ethernet is supported through the wired Ethernet port.

Usage rates

The maximum monthly usage is 300,000 impressions. IBM does not recommend printing to the monthly maximum on a consistent basis.

Print quality

The resolutions of the Infoprint 1585 are:

- 1200 x 1200 dpi
- 2400 Image Quality (default)
- 600 x 600 dpi
- 300 x 300 dpi

The Toner Darkness setting offers 10 user-selectable settings to balance print darkness and toner savings. The higher the setting, the darker the print. Within the range of print darkness settings, up to 35% toner savings can be realized. The factory default setting is 8. The Toner Darkness setting is available through the operator panel under the Print Quality menu and also accessible from the print driver.

The following settings are available to enhance print quality:

Setting accessed by:	Operator Panel	Driver	Embedded Web Server
Brightness	X	X	X
Contrast	X	X	X
Enhance Fine Lines		X	X
Gray Correction		X	X

Font support

The Infoprint 1585 printer resident fonts include support for following:

Emulation	Number of scalable fonts	Number of bitmapped fonts
PCL 6	89	2
PostScript 3	158	0
PPDS	39	5

Media-handling features

The Infoprint 1585 supports the following media-handling options:

- 2 x 500-Sheet Drawer
- 2000-Sheet Dual Input
- 2000-Sheet High Capacity Feeder
- Duplex Unit
- 2/3-Hole Finisher
- 2/4-Hole Finisher

Operator panel

The operator panel is a four-line 160 x 64 APA (all points addressable) backlit gray scale display, supporting four lines with 20 characters per line. This provides easy navigation and usability is improved with simple to use, large, bold icons on the buttons. Reliability and serviceability are enhanced with "show me" screens and "tell me more" screens.

Features

The Infoprint 1585 supports the following features:

Part number	Description
75P6948	2 x 500 Sheet Drawer
75P6949	Duplex Unit
75P6950	2000-Sheet Dual Input
75P6951	2000-Sheet High Cap Feeder
75P6952	2/3-Hole Finisher
75P6986	128 MB Memory DIMM
75P6987	256 MB Memory DIMM
75P6988	512 MB Memory DIMM
75P6989	32 MB Flash Memory
75P6990	64 MB Flash Memory
75P5008	20+GB Hard Disk with Adapter
75P6992	Ethernet 1000BaseTX
28P1836	Token-Ring-3 port
28P1839	Ethernet 10/100BaseTX-1 port
75P6857	802.11g Wireless to Ethernet
75P6854	802.11g Wireless to USB
28P1871	10 ft Parallel Cable
28P1875	2-meter USB Cable

Accessibility by people with disabilities

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.

Statement of general direction

IBM intends to offer application solution features including IPDS, Bar Code, Decryption, and a Coax/Twinax card at a later date.

All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld ID and password are required (use IBM ID).

BP Attachment for Announcement Letter 105-235

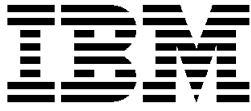
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IBM US Announcement Supplemental Information

July 12, 2005

Publications

All publications are downloadable from the IBM Web site

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

The following publications are shipped with the product:

- Infoprint® 1585 Setup Sheet (wordless)
- IBM Quick Reference Card

Services

Integrated Technology Services

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

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an on demand business. They 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.

For details on available services, contact your IBM representative or visit

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

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

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

For details on education offerings related to specific products, visit

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

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

Technical information

Specified operating environment

Physical specifications

Dimensions

	Width	Depth	Height	Weight ²
Network	616.0 mm	520.0 mm	475.0 mm	45.6 kg
Printer	(24.25 in)	(20.5 in)	(18.7 in)	(100.5 lb)

² Weights for low voltage and high voltage modes are the same.

Recommended clearances

	Left	Right	Front	Back
Network Printer	642.0 mm (25.3 in)	200.0 mm (7.8 in)	460.0 mm (18.1 in)	200.0 mm (7.8 in)

Operating environment

- Operating
 - Temperature: 15.6° to 32.2°C (60° to 90°F)³
 - Relative humidity: 8% to 80%
 - Maximum wet bulb temperature: 23°C (73°F)
 - Altitude: 2500 meters (8200 ft)
- Shipping (printer without supply items)
 - Temperature: -40° to 60°C (-40° to 140°F)
 - Relative humidity: 5% to 100%
 - Maximum wet bulb temperature: 30°C (85°F)
 - Altitude: 10,300 meters (34,000 ft)
- Shipping (supply items)
 - Temperature: -40° to 40°C (-40° to 104°F)
 - Relative humidity: 5% to 100%
 - Maximum wet bulb temperature: 27°C (80°F)
- Storage (printer without supply items)
 - Temperature: .6° to 60°C (32° to 140°F)
 - Relative humidity: 5% to 80%
 - Maximum wet bulb temperature: 30°C (85°F)
 - Altitude: 10,300 meters (34,000 ft)
- Storage (supply items)
 - Temperature: .6° to 40°C (32° to 104°F)
 - Relative humidity: 5% to 80%
 - Maximum wet bulb temperature: 27°C (80°F)

³ 15.6° to 24.0°C (60° to 75°F) for Finisher

Electrical specifications

Low voltage models

- 120 — 127 V ac at 50 to 60 Hz, nominal
- 108 — 135 V ac at 47 to 63 Hz, extreme

High voltage models

- 220 — 240 V ac at 50 to 60 Hz, nominal
- 198 — 254 V ac at 47 to 63 Hz, extreme

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Average power consumption

Printing states	1585 n
Printing	1.2 KW or less
Sleep Mode	47 W or less

Notes:

- Using a 220 V ac to 110 V ac power converter with the low voltage model is not recommended.
- All models are Energy Star compliant.

Acoustics

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

Network model

Mode	Sound pressure	Sound power
Idle (Standby)	28 dBA	4.3 bels
Simplex Printing	55 dBA	6.9 bels
Duplex Printing	57 dBA	7.1 bels

Planning information

Customer responsibilities: Infoprint 1585 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 maintenance supplies.

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 postwarranty 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
50 PPM Printer (Model n01)	Low-volt printer with 256 MB memory, 30K print cartridge, Ethernet 10/100BaseTX, Setup Sheet, Supplies Program Flyer, Publication CD, Drivers and Utilities CD, and power cord	1
50 PPM Printer (Model n02)	High-volt printer with 256 MB memory, 30K print cartridge, Ethernet 10/100BaseTX, Setup Sheet, Supplies Program Flyer, Publication CD, Drivers and Utilities CD, and power cord	1

Supplies: No supplies are required with the machine order. Infoprint 1585 is shipped with a 30,000-impressions⁴ print cartridge. It is the customer's responsibility to order and maintain an adequate inventory of toner cartridges and maintenance supplies.

⁴ 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 1585:

Description	Models	Part number	Approximate average yield ⁵
Toner Cartridge	All	75P6877	30,000 impressions
Photoconductor	All	75P6878	60,000 impressions
Staple Pack	All	75P6997	15,000

⁵ 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 1585:

Description	Models	Part number	Approximate average yield
Maintenance Kit LV ⁶	All	40X0956	300,000 impressions
Maintenance Kit HV ⁶	All	40X0957	300,000 impressions

⁶ Includes a fuser, transfer roller, and paper feed roll kit. Significant use of heavy paper stock may impact fuser life.

The above items for Infoprint 1585 are considered supplies and, as such, are not available from IBM service or included in the warranty or maintenance service agreement.

These maintenance supplies are not customer installable. IBM will install them if the printer is under warranty or a maintenance agreement. Otherwise, the customer will be charged a maintenance fee for the installation.

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 (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 (in the 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

Volume orders: Contact your IBM representative.

IBM Global Financing: No

Warranty period

- Base printer — 12 months
- Optional features — 12 months

Hourly service class: Two

Warranty service

- Technical support during warranty period
- IBM On-Site Repair (IOR) 9 x 5 Next Business Day Response

Warranty service upgrades

- IOR 24 x 7 Same Day Response

Postwarranty service

- IOR 9 x 5 Next Business Day Response
- IOR 24 x 7 Same Day Response

ServicePacs for warranty and maintenance options: Refer to the **Prices** section for ServicePac® offerings.

Maintenance processing: Low end

Maintenance billing: Quarterly

Customer replaceable units (CRUs): If your problem can be resolved with a CRU (for example, keyboard, mouse, speaker, memory, or hard disk drive), and depending upon the maintenance service offerings in your geography, IBM will ship the CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request.

Based upon availability, CRUs will be shipped for next business day delivery. IBM specifies, in the materials shipped with a replacement CRU, whether a defective CRU must be returned to IBM. When return is required, (1) return instructions and a container are shipped with the replacement CRU and (2) you may be charged for the replacement CRU if IBM does not receive the defective CRU within 30 days of your receipt of the replacement.

CRUs may be provided as part of the machine's standard maintenance service except that you may install a CRU yourself or request IBM installation, at no additional charge, under any of the On-site Service levels specified above.

CRU Service and On-site Service for other selected parts: On-site and CRU Service is available in your geography. Refer to the information above for On-site Service. Below, you will find additional information pertaining to CRU Service available for your product.

CRUs are designated as being either a Tier 1 or a Tier 2 CRU.

Tier 1 CRUs: Installation of Tier 1 CRUs is your responsibility. If IBM installs a Tier 1 CRU at your request, you will be charged for the installation.

For machines with On-site Same-day Response Service, IBM will replace a Tier 1 CRU part at your request, at no additional charge.

Tier 2 CRUs: You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge.

The following parts have been designated as Tier 1 CRU parts:

- Duplex Unit
- Hard Disk
- 1000BaseTX Network Card
- Wireless Adapters
- 2-meter USB Cable
- Flash memory Cards
- DIMMs

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 program license charges apply: No. This product does not contain Licensed Internal Code or Licensed Machine Code.

Educational allowance: None

Prices

Product charges

All features are both plant and field installable.

Machine type	Model	Feature number	Part number	Description	List price
4539	n01		75P6886	Infoprint 1585 n NA (LV)	\$3,106
		4501	75P6948	2 x 500 Sheet Drawer	959
		4402	75P6949	Duplex Unit	612
		4520	75P6950	2000-Sheet Dual Input	1,492
		4521	75P6951	2000-Sheet High Cap Feeder	1,332
		4621	75P6952	2/3-Hole Finisher	2,665
		4390	75P6986	128 MB Memory DIMM	927
		4391	75P6987	256 MB Memory DIMM	1,327
		4392	75P6988	512 MB Memory DIMM	1,599
		4038	75P6989	32 MB Flash Memory	231
		4040	75P6990	64 MB Flash Memory	439
		4329	75P5008	20+GB Hard Disk with Adapter	572
		4166	75P6992	Ethernet 1000BaseTX	532
		4121	28P1836	Token-Ring-3 port	573
		4163	28P1839	Ethernet 10/100BaseTX-1 port	275
		4190	75P6854	Wireless TO USB	159
		4193	75P6857	Wireless TO Ethernet	265
		4180	28P1871	10 ft Parallel Cable	27
		4184	28P1875	2-meter USB Cable	20

ServicePacs

Machine type	Model	Description	Electronic part number	List price
4539	All	SVC PAC PTR 2YR IOR 9X5/ND	41E8915	\$ 983
4539	All	SVC PAC PTR 3YR IOR 9X5/ND	41E8916	1,856
4539	All	SVC PAC PTR 1YR IOR 24X7/SD	41E8917	1,046
4539	All	SVC PAC PTR 2YR IOR 24X7/SD	41E8918	2,950
4539	All	SVC PAC PTR 3YR IOR 24X7/SD	41E8919	4,641
4539	All	SPACMA PTR 2YR IOR 9X5/ND	41E8920	1,967
4539	All	SPACMA PTR 2YR IOR 24X7/SD	41E8921	3,933

Maintenance charges

ESA packages charges

Machine type	Description	List price
4539	3 YR IOR 9 X 5/ND	\$1,856
4539	3 YR IOR 24 X 7/SD	4,641

Low-end alternative service charges

Description	Machine type	From service	To service	Price
Infoprint 1585	4539	IOR 9 X 5	IOR 24 X 7	\$1,046

Annual ESA maintenance charges

Description	Machine type	Service offering	Price
Infoprint 1585	4539	IOR 9 X 5	\$1,046
Infoprint 1585	4539	IOR 24 X 7	2,092

Low-end annual minimum maintenance charges

Description	Machine type	Service offering	Price
Infoprint 1585	4539	IOR 9 X 5	\$1,015
Infoprint 1585	4539	IOR 24 X 7	2,029

Order now

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)
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Internet: ibm_direct@vnet.ibm.com
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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.

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