

# HP LaserJet 4345mfp series

4345mfp • 4345x mfp • 4345xs mfp • 4345xm mfp



Maximize productivity—get print, copy, scan to e-mail, analog fax, and document finishing functions from one easy-to-use device.

## Outstanding productivity

- **Quickly print, copy, fax, and scan.** Ideal for your busy office, the HP LaserJet 4345mfp series offers a rich set of features. With black-and-white printing and copying at up to 45 pages per minute (ppm) letter, the MFP delivers fast, impressive results.
- **Boost productivity with two-sided printing, copying, and scanning.** The 50-sheet automatic document feeder (ADF) effortlessly processes two-sided documents, enabling unattended copying and scanning and eliminating the need to manually feed originals. In addition, get duplexed output and reduce your office costs with the automatic two-sided printing accessory.<sup>1</sup>
- **Improve the efficiency of your business.** Optimize the MFP's embedded sending functions<sup>2</sup> with optional HP Digital Sending Software (DSS) 4.0,<sup>3</sup> which features authentication<sup>4</sup> and facilitates document workflow by enabling documents to be sent to printers and fax services, including LAN fax, Internet fax, and Windows® 2000/XP fax services.
- **Transform your document workflow.** Add optional HP AutoStore<sup>3</sup> software to effortlessly route information to document management applications such as Microsoft® SharePoint Portal Server (version 2003), Microsoft Exchange, and Lotus Notes.
- **Send and receive documents with the analog fax accessory.**<sup>1</sup> The internal fax card increases the functionality of your device, improves workgroup productivity, and supports efficient information sharing.
- **Depend on simple, intuitive interaction.** The touch-screen graphical control panel features an integrated design that lets you easily determine job status and employ the copy, scan, fax, and digital send functions. Used across several HP devices, the intuitive control panel provides a consistent walk-up experience for users of HP products, improving usability and minimizing training costs.

<sup>1</sup> Standard features vary by model.

<sup>2</sup> Embedded sending features include send to e-mail and send to network folder.

<sup>3</sup> Not included, sold separately. Software is server-based, server required.

<sup>4</sup> LDAP authentication is embedded in the MFP.

<sup>5</sup> Using genuine HP supplies ensures availability of all HP printing features.

## Simplify and save time

- **Configure the MFP to suit your needs.** Create high-quality documents with a choice of advanced output options, including a stapler/stacker that can staple documents of up to 30 pages and stack up to 500 sheets. You may also choose a 3-bin mailbox for separating print, copy, and fax functions, assigning mailboxes for users, or stacking up to 700 sheets.
- **Focus on creating effective business documents rather than tending to your MFP.** Reduce user interaction with a total input capacity of up to 2,100 sheets and the optional 75-sheet envelope feeder.
- **Enjoy the simple, integrated design.** With its small footprint, the MFP conserves floor space and is easy to add to workstations or imaging and printing areas.

## Reliable and easy to use

- **Share the device with peace of mind.** Enjoy best-in-class networking with the HP Jetdirect Fast Ethernet embedded print server. HP Web Jetadmin offers proactive, fleet management, including remote installation. The HP Embedded Web Server is designed for one-to-one device management. It performs remote diagnostics and sends e-mail alerts.
- **Count on HP Smart Printing Technology.**<sup>5</sup> The MFP and HP supplies include innovative HP Smart Printing Technology, which makes automatic adjustments to optimize print quality and enhance reliability. Managing supplies is simple with easy access to the all-in-one HP LaserJet Smart print cartridge and convenient, online ordering with HP SureSupply.

HP printing and imaging systems help you create powerful, professional communications easily. HP printers, supplies, accessories, and services are designed to work together and are invented to meet your business needs.



# HP LaserJet 4345mfp series

- 1 Easy-to-use touch-screen control panel with 10-key number pad provides effortless device interaction
- 2 50-sheet automatic document feeder (ADF) automatically scans two-sided documents
- 3 100-sheet multipurpose tray handles heavy custom media up to 53 lb
- 4 Adjustable 500-sheet input trays 2 and 3
- 5 Optional 500-sheet input trays 4 and 5 for a 2,100-sheet total input capacity
- 6 MFP stand with storage cabinet
- 7 Automatic two-sided printing accessory for fast duplexing
- 8 Bidirectional IEEE-1284-B compliant parallel port
- 9 HP Jetdirect Fast Ethernet embedded print server
- 10 Open EIO slot enables HP and third-party solutions
- 11 Jetlinkport for third-party paper handling solutions
- 12 Foreign interface harness connector
- 13 256 MB total memory and a powerful 533 MHz processor perform complex tasks quickly
- 14 20 GB HP high-performance embedded hard disk for effective digital sending, private printing, and job storage
- 15 Analog fax accessory
- 16 3-bin mailbox accessory

HP LaserJet 4345xm mfp with optional 500-sheet input trays 4 and 5 shown



## Series at a glance



### 4345mfp (Q3942A)

- 100-sheet multipurpose tray and 500-sheet input tray 2 for 600-sheet capacity
- 500-sheet output tray
- 50-sheet ADF
- HP Jetdirect Fast Ethernet embedded print server
- 256 MB DDR RAM
- One available EIO slot



### 4345x mfp (Q3943A)

Base model plus:

- 500-sheet input tray 3 for 1,100-sheet capacity
- Automatic two-sided printing accessory
- Analog fax accessory



### 4345xs mfp (Q3944A)

Base model plus:

- 500-sheet input tray 3 for 1,100-sheet capacity
- Automatic two-sided printing accessory
- Analog fax accessory
- MFP stand with storage cabinet
- Stapler/stacker accessory



### 4345xm mfp (Q3945A)

Base model plus:

- 500-sheet input tray 3 for 1,100-sheet capacity
- Automatic two-sided printing accessory
- Analog fax accessory
- MFP stand with storage cabinet
- 3-bin mailbox accessory

# Get versatile, efficient, and reliable document creation for the office.

## Lasting value

For many businesses, the total cost of ownership is a critical part of the purchasing decision. Both the versatility and reliability designed into the HP LaserJet 4345mfp series contribute to significant cost savings over time.

**An efficient multifunction device.** An impressive set of paper-handling capabilities enables you to produce documents locally. With the productive MFP, you can eliminate costs and distribution time associated with centralized printing.

**Reliability saves money.** By far the biggest contributor to user productivity and low cost of ownership is the reliability of HP equipment, support, and service. For over a decade, Hewlett-Packard has consistently received the top grade in PC Magazine's Service and Reliability Survey and recently received one of the first-ever A+ ratings. Instead of experiencing frustration and expensive downtime, users can get their work done!

## HP Smart Printing supplies advantage<sup>6</sup>

HP LaserJet print cartridges and HP papers are designed to work together with HP printing devices, so you can depend on producing consistent, high-quality documents. HP designs its print cartridges to produce the clarity needed for halftone images, smooth grayscales, and fine details. HP Smart printing technology is activated when you put an HP print cartridge into your MFP, allowing you to monitor supplies, order new supplies, and print successfully every time. Each HP print cartridge continually adjusts toner properties to ensure consistent output over the life of the cartridge.

## Award-winning HP support











HP offers a variety of support options to assist you in the setup and maintenance of the HP LaserJet 4345mfp series. HP's expert knowledge will help you make the most of your MFP and ensure your equipment is running at peak efficiency. Start with a one-year, next business day, onsite HP limited warranty, backed by free telephone support from the award-winning HP Customer Care. To further guarantee trouble-free operation and maximize the potential of your HP LaserJet MFP, consider upgrading service and support options such as installation, network installation, advanced maintenance, and post-warranty support.

## Digital sending features

The following table details the MFP's standard digital sending features (no additional software needed):

Function	Supported file types	Supported resolutions	Description
Send to e-mail	.PDF, .JPEG, .TIFF, .MTIFF	75, 150, 200 dpi	Scan a document and send it to one or more e-mail recipients in color or black and white.
Send to network folder	.PDF, .JPEG, .TIFF, .MTIFF	75, 150, 200, 300, 400, 600 dpi	Scan a document and send it to a folder on the network.

Add the following optional components and build an MFP to meet the needs of your business.

 <p>Q5968A</p> <p>500-sheet input trays offer an input capacity of up to 2,100 sheets</p>	 <p>Q5692A</p> <p>700-sheet 3-bin mailbox may be assigned to individuals or device functions</p>	 <p>Q5691A</p> <p>Stapler/stacker staples documents up to 30 pages and stacks up to 500 sheets</p>	 <p>Q2438B</p> <p>75-sheet envelope feeder makes business mailing simple and efficient</p>	 <p>Q5969A</p> <p>Automatic two-sided printing unit for fast, efficient duplexing</p>
 <p>Q5970A</p> <p>Stand with storage cabinet makes the MFP more accessible and lets you store paper and supplies</p>	 <p>Q3701A</p> <p>HP LaserJet MFP Analog Fax Accessory 300 quickly and securely processes documents</p>	 <p>T1936AA</p> <p>HP Digital Sending Software 4.0 lets you digitally capture paper-based documentation for easy routing and storage</p>	 <p>T1943AA</p> <p>HP AutoStore software allows you to send scanned documents to document management and collaboration platforms</p>	 <p>Q7719A</p> <p>Add a 256 MB 100-Pin DDR DIMM for 512 MB of total memory</p>

<sup>6</sup> Using genuine HP supplies ensures availability of all HP printing features.

# HP LaserJet 4345mfp series

Technical specifications	HP LaserJet 4345mfp (Q3942A)	HP LaserJet 4345x mfp (Q3943A)	HP LaserJet 4345xs mfp (Q3944A)	HP LaserJet 4345xm mfp (Q3945A)
<b>Print and copy speed</b>	Up to 45 ppm letter			
<b>First page out</b>	Less than 10 seconds			
<b>Resolution</b>	HP FastRes 1200 (1200 dpi quality), 600 by 600 dpi; Resolution Enhancement technology (RET), in addition to HP ProRes true 1200 by 1200 dpi			
<b>Copying</b>	Reduce or enlarge: 25 to 400% from scanner glass (25 to 200% from ADF); resolution: 600 by 600 dpi; scalability, contrast, background removal, sharpness, N- or Z- ordering, orientation			
<b>Faxing</b>	Optional analog fax accessory	Standard analog fax accessory: resolution best mode: 300 by 300 dpi; fax speed: up to 33.6 kbps; JBIG compression, fax forwarding, fax polling, and auto redialing supported		
<b>Digital sending</b>	Embedded scan to e-mail, scan to folder, LDAP authentication standard; optional (via HP DSS 4.0) send to LAN fax, send to printer, send to application			
<b>Processor</b>	533 MHz			
<b>Standard memory</b>	256 MB DDR RAM, expandable to 512 MB via one open DIMM slot; Memory Enhancement technology (MET)			
<b>Hard drive</b>	20 GB HP high-performance embedded hard disk			
<b>Duty cycle</b>	Up to 200,000 pages per month			
<b>Paper</b>	100-sheet multipurpose tray 1, 500-sheet input tray 2, 50-sheet ADF			
<b>Output</b>	500-sheet output tray	100-sheet multipurpose tray 1, two 500-sheet input trays (2 and 3), 50-sheet ADF, automatic two-sided printing accessory	500-sheet stapler/stacker	700-sheet 3-bin mailbox
<b>Sizes</b>	Multipurpose tray, 3-bin mailbox, and stacker element of stapler/stacker: 3 by 5 in (76 by 127 mm) to 8.5 by 14 in (216 by 356 mm); letter, legal, executive, statement, envelopes 500-sheet trays: 5.8 by 8.3 in (148 by 210 mm) to 8.5 by 14 in (216 by 356 mm); letter, legal, executive Custom sizes not supported on optional automatic two-sided printing accessory, envelope feeder, or stapler			
<b>Weights</b>	Multipurpose tray, 3-bin mailbox: 16 to 53 lb (60 to 200 g/m <sup>2</sup> ); trays 2, 3, 4, 5, automatic two-sided printing accessory, stapler/stacker: 16 to 32 lb (60 to 120 g/m <sup>2</sup> ) Optional envelope feeder: 20 to 28 lb (75 to 105 g/m <sup>2</sup> )			
<b>Types</b>	Paper (plain, preprinted, letterhead, prepunched, bond, recycled, color, rough), transparencies, labels, envelopes, cardstock			
<b>Connectivity</b>	Bidirectional IEEE-1284-B compliant parallel port, one available EIO slot, HP Jetdirect Fast Ethernet embedded print server; Jetlink port for third-party paper handling solutions, FIH connector			
<b>Interfaces</b>	Optional			
<b>Fax interface</b>	RJ-11 port			
<b>Languages</b>	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, direct PDF printing (v 1.3), XHTM:Print v 0.95, PML (Printer Management Language)			
<b>Fonts</b>	80 scalable TrueType fonts			
<b>Client operating systems</b>	Microsoft Windows 98, Me, NT 4.0 (parallel and network connections only), 2000, XP, Server 2003; Apple Mac OS 9.x and later, OS X v 10.1 or later			
<b>Network operating systems</b>	Via HP Jetdirect print servers: Microsoft Windows 98, Me, NT 4.0, 2000, XP, XP 64-Bit, Server 2003; Novell NetWare 3.2, 4.2, 5.x, 6.x; Apple Mac OS 8.6 and later; Red Hat Linux® 6.x and later; SuSE Linux 6.x and later; HP-UX 10.20, 11.x; Solaris 2.5x, 2.6, 7, 8, 9, 10 (SPARC systems only); IBM AIX 3.2.5 and later; MPE-iX; Citrix MetaFrame; Windows Terminal Services			
<b>Network protocols</b>	Via HP Jetdirect print servers: TCP/IP (IP Direct mode; may require software from the NOS vendor or third party vendor: LPD, FTP, IPP), IPX/SPX, DLC/LLC, AppleTalk, Auto-IP, Apple Rendezvous compatible, NDS, Bindery, NCP, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP (v 1, 2c, 3), HTTP			
<b>Dimensions (w by d by h)</b>	30 by 19 by 21.5 in (762 by 483 by 545 mm)	30 by 19 by 26.3 in (762 by 483 by 667 mm)	36 by 19 by 43.7 in (914 by 483 by 1110 mm)	
<b>Weight</b>	117.7 lb (53.5 kg)	140.5 lb (63.9 kg)	264 lb (120 kg)	264 lb (120 kg)
<b>What's in the box</b>	All models: straight power cord, control panel overlay, print cartridge, software and documentation on CD, information and training CD, in-box documentation (Getting Started Guide, Walk Up Wall Poster, Network Configuration Guide, Telephone Support Flyer)			
	Also includes: HP LaserJet 4345mfp	Also includes: HP LaserJet 4345x mfp, phone cord, 500-sheet input tray 3, analog fax accessory, Fax Install Guide	Also includes: HP LaserJet 4345xs mfp, phone cord, 500-sheet input tray 3, analog fax accessory, Fax Install Guide, stapler/stacker, MFP stand	Also includes: HP LaserJet 4345xm mfp, phone cord, 500-sheet input tray 3, analog fax accessory, Fax Install Guide, 3-bin mailbox, MFP stand

## Environmental ranges

<b>Temperature</b>	Operating: 50 to 91° F (10 to 32.5° C) Storage: 32 to 95° F (0 to 35° C)
<b>Relative humidity</b>	Operating: 10 to 80 percent

## Acoustics

<b>Power emissions</b>	Active: 7.0 B(A) printing, 7.4 B(A) copying Standby: 3.3 B(A)
------------------------	--

## Power requirements

<b>Power consumption<sup>7</sup></b> (Energy Star® compliant)	110 to 127 VAC (±10 percent), 50/60 Hz (±2 Hz) 220 to 240 V (±10 percent), 50 Hz (±2 Hz) Maximum: 790 watts (printing), 800 (copying) Standby: 49 watts (4345: 44 watts)
--	---

	Powersave: 15 watts Off: 0.25 watts
--	--

## Power certifications

	EMC Class B requirements (Canada), IEC 60950 (International), EN 60950 (International), IEC 60825-1+A1, EN 60825-1+A11 Class 1 Laser/LED product, GB4943, CISPR 22 +A1+A2/EN 55022:1994+A1+A2 Class B, EN 61000-3-2/A14, EN 61000-3-3, EN 55024, FCC Title 47 CFR, Part 15 Class B (USA), EN55022/FCC Part 15 Class A when LAN cable attached, GB4943, Laser safety statement (US), Canadian EMC Class B requirements
--	---

## Warranty

One-year, next business day, on-site limited warranty

<sup>7</sup> Values subject to change. See [www.hp.com/support/lj4345mfp](http://www.hp.com/support/lj4345mfp) for current information. Power numbers are the highest values measured using all standard voltages.

<sup>8</sup> Average cartridge yield 18,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.



© Copyright 2004-2006 Hewlett-Packard Development Company, L.P.

Energy Star is a US registered mark of the United States Environmental Protection Agency. Linux is a U.S. registered trademark of Linus Torvalds. Microsoft, Windows, Windows NT, and Windows XP are U.S. registered trademarks of Microsoft Corporation. HP and the invent signature are trademarks of the Hewlett-Packard Company.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Printed in the U.S.A.

## Ordering information

Product	Number
HP LaserJet 4345mfp	Q3942A
HP LaserJet 4345x mfp	Q3943A
HP LaserJet 4345xs mfp	Q3944A
HP LaserJet 4345xm mfp	Q3945A
<b>Connectivity</b>	
HP Jetdirect 625n Gigabit Ethernet internal print server	J7960G
HP Jetdirect 620n Fast Ethernet internal print server	J7934G
<b>Software and accessories</b>	
HP LaserJet MFP Analog Fax Accessory 300	Q3701A
HP Digital Sending Software 4.0	T1936AA
HP AutoStore	T1943AA
<b>Paper handling</b>	
500-sheet input feeder tray	Q5968A
Automatic two-sided printing accessory	Q5969A
75-sheet envelope feeder	Q2438B
Stapler/stacker	Q5691A
3-bin mailbox	Q5692A
Printer stand with storage cabinet	Q5970A
<b>Supplies</b>	
HP LaserJet Q5945A Black Print Cartridge with Smart Printing Technology <sup>8</sup>	Q5945A
Staple cartridge (5,000 staples) for stapler/stacker	C8091A
ADF replacement Mylar sheets	Q6496A
ADF maintenance kit	Q5997A
HP printer maintenance kit (110 V)	Q5998A
HP printer maintenance kit (220 V)	Q5999A
<b>Memory</b>	
64 MB 100-Pin DDR DIMM	Q7715A
128 MB 100-Pin DDR DIMM	Q7718A
256 MB 100-Pin DDR DIMM	Q7719A
512 MB 100-Pin DDR DIMM	Q7720A
<b>Service and support</b>	
HP Care Pack, 3-year next business day onsite	H7668E
HP Care Pack, 3-year 4 hour response	H7686E
HP Care Pack, Installation with network configuration	U2010E
<b>HP papers</b>	
HP Premium Choice Paper, letter	HPU1132
HP LaserJet Paper, letter	HPJ1124
HP Multipurpose Paper, letter	HPM1120
HP LaserJet Tough Paper, letter	Q1298A
<b>Third-party solutions: <a href="http://www.hp.com/go/gsc">www.hp.com/go/gsc</a></b>	

For more information visit our website at [www.hp.com](http://www.hp.com)