HP LaserJet 4345mfp series

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Maximise workgroup productivity with print, copy, scan to e-mail, and analog fax[1]. This flexible multifunction device supports multiple paper trays, stapling and stacking document-finishing options[2], a 3-bin mailbox[3] and digital sending[4].

Ideal for busy workgroups of 3 – 15 users in businesses ranging from single site operations to the regional/satellite offices of large organisations, people who need shared access to a high productivity, monochrome A4 MFP offering a whole suite of advanced business tools.

Support high workflow needs of demanding workgroups.

- Enhance the productivity of busy office workgroups with versatile print, copy, digital sending[4] and fax features[1].
- Flexible options with up to 2,100-sheet input capacity and automatic two-sided printing accessory[1].
- Choose 3-bin mailbox[3] for separating print, copy and fax functions, assigning mailboxes for users or stacking up to 700 sheets.
- Boost performance with 50-sheet automatic document feeder (ADF) for unattended document processing.

HP LaserJet 4345 mfp

Simplify and save time.

- Optimise the MFP's embedded sending functions[5] with optional HP Digital Sending Software 4.0[6] which features LDAP authentication and job storage.
- Get impressive results when you need them with 43 ppm black & white A4 printing and copying; first page out in under 10 seconds.
- Produce high quality duplex documents with the automatic two-sided printing accessory[1].
- Transform your document workflow with optional routing software – send information to a range of applications.

HP LaserJet 4345x mfp

Easy, worry-free operation with HP LaserJet reliability.

- Easy sharing – enjoy best-in-class networking with the HP Jetdirect Fast Ethernet embedded print server.
- Easy to use, intuitive control panel with touch-screen graphics.
- Enjoy ease-of-use and reliability associated with HP LaserJet printers, plus all the versatility of a high productivity MFP.
- Get consistently high quality results with HP Smart printing technology[7] – automatically enhancing print quality.

HP LaserJet 4345xs mfp

[1] Analog fax and automatic two-sided printing unit standard with HP LaserJet 4345x, 4345xs and 4345xm models.
[2] Stapler/stacker: standard with HP laserJet 4345xs; optional accessory (sold separately) with HP LaserJet 4345, 4345x and 4345xm models.
[3] 3-bin mailbox: standard with HP LaserJet 4345xm; optional accessories (sold separately) with HP LaserJet 4345, 4345x and 4345xs models.
[4] Digital sending capabilities via optional accessory.
[5] Embedded sending features include send to e-mail, send to network folder and LDAP authentication.
[6] Digital sending capabilities via optional software, sold separately.
[7] Using genuine HP supplies ensures availability of all HP Smart Printing features.

HP LaserJet 4345xm mfp

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HP LaserJet 4345mfp series

1. Easy-to-use touch-screen control panel with 10-key number pad provides effortless device interaction

2. Automatic two-sided printing accessory for fast duplexing

3. 50-sheet automatic document feeder (ADF) automatically scans two-sided documents

4. 100-sheet multipurpose tray handles heavy custom media up to 200 g/m²

5. Adjustable 500-sheet input trays 2 and 3

6. MFP stand with storage cabinet

7. Bidirectional IEEE-1284-B compliant parallel port

8. HP Jetdirect Fast Ethernet Embedded Print Server

9. Open EIO slot enables HP and third-party solutions

10. Jetlink port for third-party paper handling solutions

11. Foreign interface harness connector

12. 256 MB total memory and a powerful 533 MHz processor perform complex tasks quickly

13. 20 GB (minimum) HP high-performance embedded hard disk for effective digital sending, private printing, and job storage

14. Analog fax accessory[8]

15. 3-bin mailbox accessory

HP LaserJet 4345xm mfp shown

Series at a glance

4345mfp (Q3942A)

Printer, straight power cord, control panel overlay, print cartridge, software and documentation on CD-ROM, information and training CD, in-box documentation (getting started guide, walk up wall poster, network configuration guide, telephone support flyer) plus:

- 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
- EIO Hard Disk 20 GB (minimum)

4345x mfp (Q3943A)

Base model plus:
- Phone cord
- In-box documentation (fax install guide)
- 500-sheet input tray 3 for 1100-sheet capacity
- Automatic two-sided printing accessory
- Analog fax accessory[8]

4345xs mfp (Q3944A)

Base model plus:
- Phone cord
- In-box documentation (fax install guide)
- 500-sheet input tray 3 for 1100-sheet capacity
- Automatic two-sided printing accessory
- Analog fax accessory[8]
- MFP stand with storage cabinet
- Stapler/stacker accessory

4345xm mfp (Q3945A)

Base model plus:
- Phone cord
- In-box documentation (fax install guide)
- 500-sheet input tray 3 for 1100-sheet capacity
- Automatic two-sided printing accessory
- Analog fax accessory[8]
- MFP stand with storage cabinet
- 3-bin mailbox accessory

[8] Please refer to HP LaserJet MFP Analog Fax Accessory 300 datasheet for more information on supported countries and technical specifications.

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

Lasting value

Total cost of ownership is a critical part of the purchasing decision and the HP LaserJet 4345mfp series is capable of delivering significant cost savings.

An efficient multifunction device. Impressive paper-handling capabilities enable local document production, eliminating the costs associated with centralised printing.

Reliability saves money. Hewlett-Packard has consistently received the top grade in PC Magazine's Service and Reliability Survey and was recently awarded one of the first-ever A+ ratings. This level of reliability is a major factor behind enhanced user productivity and low total cost of ownership.

The HP Smart supplies advantage[9]

HP papers and print cartridges are designed to work together with HP printing devices to deliver impressive halftone images, smooth greyscales and fine details. HP Smart Printing technology is activated every time you install an HP print cartridge; as well as enabling easy management of your supplies, each HP print cartridge continually adjusts toner properties to ensure high-quality output throughout its working life.

Award-winning HP support

We offer a range of support options to enable you to make the most of your investment and ensure that your MFP always operates at peak efficiency. Start with a one-year, next-day, onsite HP limited warranty, backed by free telephone support. To further guarantee trouble-free operation, we can have options including 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	Up to 300 dpi	Scan a document and send it to one or more e-mail recipients in colour or black and white.
Send to network folder	.PDF, .JPEG, .TIFF, .MTIFF	Up to 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.

(Q5968A)
500-sheet input trays – for input capacity of up to 2,100 sheets

(Q5692A)
700-sheet 3-bin mailbox – assign to individuals or device functions

(Q5691A)
Stapler/stacker – staple up to 30 pages; stack up to 500 sheets

(Q2438B)
75-sheet envelope feeder – efficient business mailing

(Q5969A)
Automatic two-sided printing unit – fast, efficient duplexing

(Q5970A)
Stand with storage cabinet – convenient storage and easier access

(Q3701A)
HP LaserJet MFP Analog Fax Accessory 300 – advanced business fax features

(J6058A)
HP Jetdirect 680n 802.11b Wireless Print Server – for wireless connection

(J6072A)
HP bt1300 Bluetooth® Wireless Printer Adapter[10] – print from mobile phones or PDAs

(T1936AA)
HP Digital Sending Software 4.0 – integrate paperwork into electronic workflows

(T1943AA)
HP AutoStore software – send scanned paperwork to document management applications

(e.g. Q2627A)
Add up to 512 MB of memory through 2 open 100-pin DDR DIMM slots

Technical specifications

Print speed	First page out black: Less than 10 sec Warm-up time: 2 mins (from cold power on) Exact speed varies depending on the system configuration, software programme, and document complexity.
Processor	533 MHz, MIPS 20KC Processor
Memory	256 MB, HP 20 GB (minimum) high capacity hard disk, expandable to 512 MB through 2 open 100-pin DDR DIMM slots using Memory Enhancement technology (MEt)
Print	Technology: Laser Quality: Best: 1200 x 1200 dpi (with HP Fastres 1200) Normal: 1200 x 1200 dpi (with HP Fastres 1200) Draft: 600 x 600 dpi (with Resolution Enhancement technology REt) Speed: Up to 43 ppm (A4) Languages: HP PCL 6, HP PCL 5e, HP Postscript Level 3 Emulation, Printer Management Language, PDF, XHTML Economical printing: Economode (saves up to 50% toner from 600 dpi), immediate return to Power-safe mode after each print job due to instant-on fuser technology (saves electricity), optional automatic two-sided printing and N-up printing (saves paper) Typefaces/fonts: 80 scalable TrueType™ fonts Duty cycle: Up to 200,000 pages per month Print margins: Top: 4.2 mm; left: 4.2 mm; right: 4.2 mm; bottom: 4.2 mm[1]
Fax	Resolution: Standard: 200 x 100 dpi; fine: 200 x 200 dpi; superfine: 300 x 300 dpi Please refer to HP LaserJet MFP Analog Fax Accessory 300 Datasheet for more information.
Digital Sending	Functionality: Embedded scan to e-mail, scan to folder, LDAP authentication standard. Optional (via DSS 4.0) send to LAN fax, send to printer, send to application. File formats: PDF, JPG, TIFF, M-TIFF Configuration: HP Embedded Web Server, HP Web Jetadmin
Scan	Type: Flatbed, automatic document feeder (ADF) duplex Resolution: 600 dpi optical Bit depth colour: 24-bit Levels of grey: 256 (8-bit) Scannable area: Minimum media size: 148 x 210 mm, maximum media size: 227 x 302 mm Margins: Left: 4.2 mm; top: 4.2 mm; right: 4.2 mm; bottom: 4.2 mm (edge-to-edge scanning off) Advanced features: 45 ipm scanner with 50-sheet duplex ADF, Xenon lamp for Instant-on copying/scanning
Copy	Speed: Up to 43 cpm (A4) Multiple copies: 1-32,000 Reduce/enlarge: 25 to 400% Advanced features: 45 images per minute (ipm) scanner with 50-sheet duplex ADF
Media types	Paper (plain, preprinted, letterhead, prepunched, bond, recycled, colour, rough), transparencies, labels, envelopes, card stock

Media handling

Input	Weight	Size
Tray 1	60 to 200 g/m²	A4, A5, B5, executive, 16K, D Postcard, statement, 210 x 297 mm, envelopes (DL, C5, B5, No. 10, Commercial), custom 76 x 127 to 216 x 356 mm
Tray 2/3	60 to 120 g/m²	A4, A5, B5, executive, 16K, 210 x 297 mm, custom 148 x 210 to 216 x 356 mm
Duplex max	60 to 120 g/m²	A4, A5, B5, executive, 16K

Output: Sheets: 4345/x mfp: 500, 4345xs mfp: 500 (or 15 packets of 30 pages stapled), 4345xm mfp: 700 (500 bottom tray, 100 in each of top two bins), envelopes: 100, transparencies: 500
Duplex printing: 4345 mfp: Automatic (optional with the purchase of auto-duplex unit), 4345x/xs/xm mfp: Automatic (standard)

Interface and connectivity	**Standard:** IEEE 1284-B compliant parallel port, HP Jetdirect Fast Ethernet Embedded Print Server (network connection), Foreign Interface Harness (FIH) port, fax connection (for optional analog fax accessory), open EIO slot **Optional:** HP Jetdirect EIO Internal Print Servers, HP Jetdirect External Print Servers, HP EIO Hard Disk, and HP Jetdirect EIO Connectivity Card for USB (compatible with USB 2.0 specifications), serial, and LocalTalk
Operating systems compatibility	**Standard:** 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 **Optional:** OS/2, UNIX, Linux, HP OpenVMS Recent printer drivers for all supported operating systems are available at http://www.hp.com/support/lj4345mfp. If no access to the Internet, see support flyer that came in the MFP box
Network operating systems compatibility	**Standard:** 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 **Optional:** Microsoft® Windows NT® 4.0, 2000, XP, Server 2003, Apple Mac OS 9.x, OS X
Minimum system requirements	Microsoft® Windows® 98: Pentium 90, 16 MB RAM; Windows Me: Pentium 150, 32 MB RAM; Windows NT 4.0: Pentium 90, 32 MB RAM; Windows 2000: 133 MHz processor, 64 MB RAM; Windows XP: 233 MHz processor, 64 MB RAM; Windows Server 2003 (standard edition): 550 MHZ processor, 128 MB RAM; 220 MB of free hard disk space for Windows, CD-ROM drive or Internet connection, IEEE 1284-compliant bidirectional parallel port 160 MB free hard disk space, Mac OS 9.x and Mac OS X v 10.1 and later, CD-ROM drive, IEEE 1284-B compliant bidirectional parallel port
Standard software	Print drivers and installation software on CD-ROM (HP PCL 6, HP PCL 5e, HP Postscript Level 3 Emulation, HP LaserJet Utility, HP Toolbox, Macintosh software, PostScript Printer Description)
Control panel	Intuitive operation and easy to understand messaging, 640 x 240 touchscreen LCD display with help features. Messages can be displayed in 20 languages. Buttons: Cancel job, Start, Down arrow, Help, Menu, Up arrow, Back arrow, 13-button numeric keypad with Cancel, Sleep, Status; lights: Ready, Data, Attention
Printer management	HP Embedded Web Server, HP Web Jetadmin, HP Toolbox, HP LaserJet Utility
Power	Requirements: Input voltage 220 to 240 VAC (± 10%), 50/60 Hz (± -2 Hz), recommended circuit capacity 8 amps. External AC
Dimensions (w x d x h) (out of package/packaged)	4345mfp: 730 x 550 x 550 mm (incl. output tray)/802 x 648 x 842 mm; 4345x mfp: 730 x 550 x 670 mm/802 x 648 x 1052 mm; 4345xs/xm mfp: 880 x 730 x 1100 mm/1200 x 1000 x 1440 mm
Weight (out of package/packaged)	4345 mfp: 51.6 kg/69.8 kg; 4345x mfp: 54.6 kg/74.4 kg; 4345xs mfp: 69.4 kg/171 kg; 4345xm mfp: 69.3 kg/171 kg
Operating environment	Environmental ranges: operating temperature: 10 to 32.5° C, recommended operating temperature: 10 to 32.5° C, operating humidity: 10 to 80% RH, recommended operating humidity: 10 to 80% RH, storage temperature: 0 to 35° C, storage humidity: 10 to 80% RH. Noise level per ISO 9296, sound power: LwAd 7.0 B(A) (printing), 7.2 B(A) (copying)
Certifications	Safety certifications: IEC 60950 (international), EN 60950 (international), IEC 60825-1+A1, EN 60825-1+A11 Class 1 Laser/LED product, GB4943, Laser statement (Finland). EMC certifications: IEC 60950 (International), EN 60950 (International), IEC 60825-1+A1, EN 60825-1+A11 Class 1, 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, ICES-003, Issue 3, AS /NZS 3548+A1+A2 GB9254, EMC Directive 89/336/EEC, Low Voltage Directive 73/23/EEC, CE Marking (Europe), EN55022/FCC Part 15 Class A when LAN cable attached. Energy Star®
Warranty	One-year, next-day on-site limited warranty; optional HP Care Packs available

[1] Valid with HP Postscript and PLC 6 languages only.

Ordering information

Q3942A	HP LaserJet 4345mfp
Q3943A	HP LaserJet 4345x mfp
Q3944A	HP LaserJet 4345xs mfp
Q3945A	HP LaserJet 4345xm mfp

Memory

Q2625A	HP 64 MB 100-pin DDR DIMM
Q2626A	HP 128 MB 100-pin DDR DIMM
Q2627A	HP 256 MB 100-pin DDR DIMM
Q2628A	HP 512 MB 100-pin DDR DIMM

Accessories

Q3701A	HP LaserJet MFP Analog Fax Accessory 300

Paper Handling

Q5968A	HP 500-sheet input feeder tray
Q5969A	HP Automatic two-sided printing accessory
Q2438B	HP 75-sheet envelope feeder
Q5691A	HP Stapler/stacker
Q5692A	HP 3-bin mailbox
Q5970A	HP MFP stand with storage cabinet

Supplies

Q6496A	HP ADF replacement Mylar sheets (package of 3)
C8091A	HP Staple cartridge, 5,000 staples
Q5945A	HP LaserJet print cartridge[2] (up to 18,000 pages)

[2] Up to 18,000 standard pages in accordance with ISO/IEC 19752

Maintenance kits

Q5997A	HP ADF Maintenance Kit
Q5999A	HP Printer Maintenance Kit (220V)

Connectivity

J7960A	HP Jetdirect 625n Gigabit Ethernet Internal Print Server
J7934A	HP Jetdirect 620n Fast Ethernet Internal Print Server
J6058A	HP Jetdirect 680n 802.11b Wireless Ethernet Internal Print Server
J6072A	HP bt1300, Bluetooth® Wireless Print Adapter

Digital Sending Software

T1936AA	HP Digital Sending Software 4.0
T1943AA	HP AutoStore

Service & support

H7668A/E	HP Care pack, Next Business Day on-site, 3-years
H7686A/E	HP Care pack, 4 hours on-site response 3-years
H7688PA/PE	HP Care pack, post warranty, Next Business Day on-site, 1-year
H7689PA/PE	HP Care pack, post warranty, 4 hours on-site response, 1-year
U2010A/E	Installation and network configuration

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