HP LaserJet M4345 MFP series

M4345 • M4345x • M4345xs

Reach new heights with the M4345 MFP series. This powerful, scalable, and easy-to-use workgroup MFP combines print, copy, digital send, and advanced paper handling into one cost-effective device.

Raises the bar on performance

- **Accomplish more in less time.** Attain printing and copying speeds as fast as 45 ppm and a quick first page out with Instant-on Technology. Get consistently great-looking output with a choice of HP FastRes 1200 for speedy day-to-day printing or HP ProRes 1200 for true 1200 by 1200 dpi for those extra critical jobs where only the best will do.
- **Boost workgroup efforts and easily integrate documents into office workflows.** The MFP comes standard with send-to-e-mail and network folder capability, as well as network authentication, and LDAP support. The HP Digital Sending Software (DSS) 4.3[1] lets you send documents to ftp sites and fax services, including LAN fax, Internet fax, and Windows® 2000/XP fax services.
- **Process documents effortlessly.** The 50-sheet reversing automatic document feeder (ADF) eliminates the need to manually feed originals, even two-sided documents. Conserve paper with automatic two-sided printing and copying.

Radical simplicity—easy to succeed

- **Work without interruption.** Original HP LaserJet print cartridges employ HP Smart printing technology[2] to keep you up and running. The cartridge sends alerts when supplies are low, and even helps you reorder through HP SureSupply.[3] Pages remaining data helps you determine if supplies are adequate to complete your job.
- **Experience easy, reliable, best-in-class networking** with the IPv6-ready[4] HP Jetdirect Fast Ethernet embedded print server.[5] HP Web Jetadmin offers remote installation, configuration, and proactive management for all your networked peripherals. HP Embedded Web Server performs remote diagnostics, sends e-mail alerts, provides job tracking/accounting, and easy reordering of supplies.
- **Enjoy remarkably simple interaction.** Take control of your MFP's complete feature set with a new, intuitive user interface that clearly displays all available options. Navigate with ease using Windows emulation icons that visually walk you through procedures and helpful wizards that assist with setup.

- **Delight in the luxury of local storage.** Save time and eliminate frustration with the embedded hard drive.[5] Use the high-capacity storage to keep local copies of frequently used documents, such as invoices or expense reports. Use "proof and hold" to check one copy before printing the rest—right from the control panel. Need privacy? Print sensitive material with password access protection.

Grows with your business

- **Increase your options.** Take advantage of market-leading HP and third-party solutions via open DIMM and EIO slots and a foreign interface port. Choose from a variety of solutions, including wireless, Gigabit Ethernet, or IPsec compatible networking, additional fonts or memory, business process forms, barcode printing, document capture, job accounting, and enhanced security.
- **Configure output abilities to suit your needs.** Choose a stapler/stacker that can staple up to 30 sheets and stack up to 500 sheets. Or, you may select the 3-bin mailbox for separating print, copy, and fax jobs, assigning mailboxes for users, or stacking up to 700 sheets.
- **Focus on your work rather than tending to your MFP.** With a total input capacity of up to 2,100 sheets, you'll spend less time loading paper. Business mailings are a snap with the optional 75-sheet envelope feeder.

HP's rock-solid reliability

- **Reap the benefits of HP LaserJet world-renowned engineering quality** in a device with more functionality. Depend on the uptime so paramount to your workgroup's success. Get worry-free operation with the original HP cartridge that makes up 70% of the imaging system.

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

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[1] Standard features vary by model.
[1] Trial software included, full version sold separately. Server based application, requires server.
[2] Using genuine HP supplies ensures availability of all HP printing features.
[3] Program availability may vary by country. Internet access required. For more information, visit **www.hp.com/learn/suresupply**.
[4] IPv6 is only supported Microsoft Server 2003 and Windows XP (print only).
[5] Embedded features are standard in all models and reside on the formatter board.

HP LaserJet M4345 MFP series

1. 50-sheet automatic document feeder (ADF) automatically scans two-sided documents in full color

2. Color flatbed scanner for scanning, copying, and faxing jobs

3. Simple, intuitive touch-screen graphical control panel with numeric keypad provides effortless device interaction

4. 100-sheet multipurpose tray handles heavy custom paper up to 53 lb (200 g/m^2)

5. Automatic two-sided printing accessory for fast two-sided printing

6. Adjustable 500-sheet input trays 2 and 3

7. Optional 500-sheet input trays 4 and 5 for a 2,100-sheet total input capacity

8. MFP stand with storage cabinet

9. 33.6 kbps analog fax accessory (RJ-11 port)

10. Hi-Speed USB 2.0 port (type B) for direct connection

11. Foreign interface port for HP and third-party solutions

12. HP Jetdirect Fast Ethernet embedded print server (RJ-45 port)

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

14. 256 MB total memory and a powerful 480 MHz processor perform complex tasks quickly

15. High-performance embedded hard disk for effective digital sending, private printing, and job storage

16. Stapler/stacker accessory

HP LaserJet M4345xs MFP with optional 500-sheet input trays 4 and 5 shown

M4345 MFP (CB425A)

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

M4345x MFP (CB426A)

Base model plus:

- 500-sheet input tray 3 for a total 1,100-sheet capacity
- Automatic two-sided printing accessory (duplexer)
- 33.6 kbps analog fax accessory

M4345xs MFP (CB427A)

Base model plus:

- 500-sheet input tray 3 for a total 1,100-sheet capacity
- Automatic two-sided printing accessory (duplexer)
- 33.6 kbps analog fax accessory
- MFP stand with storage cabinet
- Stapler/stacker accessory (30-sheet stapler and 500-sheet stacker replaces the 500-sheet output bin)

Simplicity, convenience, and outstanding support make the HP LaserJet M4345 MFP series the perfect choice for small workteams with no time to worry about device management.

Work with confidence

The HP LaserJet M4345 MFP series is an extension of the HP LaserJet you already know. Count on it to deliver the HP quality and reliability you've come to expect. Position it close to workgroups for efficiency and convenience.

Safeguard your business with enhanced network security. Whether your concern is data security, privacy, auditing issues or any combination of these, HP helps you proactively eliminate internal and external threats. HP's security framework lets you manage and maintain a secure environment with tools and checklists. Next generation TCP/IP protocol support via IPv6 and optional IPsec or Gigabit network compatibility assures even greater peace of mind.

Depend on worry-free, high-performance operation. Complex print jobs are not a problem with the 480 MHz processor and 256 MB of memory (expandable to 512 MB). Process print, fax, and digital send-jobs quickly, with a rapid return to the application. With the world-renowned HP imaging system, you can count on sharp black text, fine lines, and clear detail on every job. The new Automatic Printer Wakeup feature ensures the device is warmed up and ready for work when you are.

Trust HP's universal print driver for easy network access.[6] Businesses have a huge investment in their print resources, and providing and managing end-user access to these resources can be a full-time job for busy IT professionals. The HP Universal Print Driver Series for Windows can alleviate such headaches with a single, intelligent driver that replaces individual drivers for all HP networked printers. For more information and to download the driver for free, go to **www.hp.com/go/universalprintdriver**.

Easy to use, easy to manage, easy to succeed

HP redefines the term *usability* with its new, radically simple user interface. Easily take advantage of your MFP's complete feature set with an intuitive interface that clearly displays all available applications. Navigation is a snap with familiar Windows emulation icons, automatic navigation that visually walks you through troubleshooting, and installation wizards that assist with set up.

HP Smart printing advantage

HP papers and HP LaserJet print cartridges are designed to work together with HP printing devices, so you can depend on producing consistent, high-quality documents with the clarity needed for halftone images, smooth grayscales, and fine details. HP Smart printing technology is activated every time you put an HP print cartridge into your MFP, allowing you to monitor and order supplies.[2] And each HP print cartridge continually adjusts toner properties to ensure high-quality output over the life of the cartridge.

Award-winning HP support

HP's award-winning customer service and support backs every MFP with a one-year limited warranty, knowledgeable online support available 24/7 at **www.hp.com/support**, and easy-to-access phone support provided by HP-trained agents. Plus, you can enhance your warranty protection with the purchase of affordable HP Care Pack Services.

100 million HP LaserJets shipped

No one has supplied more printers to more people than HP. For more than 20 years, HP has introduced innovative laser printing products. And now, HP celebrates shipment of the 100 millionth HP LaserJet printer. HP printers offer proven reliability, award-winning service and support, and the broadest portfolio of printing solutions in the industry. Count on the legendary quality of HP LaserJet printers.

Build an MFP to meet the needs of your business.

500-sheet input trays offer an input capacity of up to 2,100 sheets	700-sheet 3-bin mailbox may be assigned to individuals or device functions	Stapler/stacker staples documents up to 30 sheets and stacks up to 500 sheets	75-sheet envelope feeder makes business mailing simple and efficient	Automatic two-sided printing accessory for fast, efficient two-sided printing	Stand with storage cabinet makes the MFP more accessible and lets you store paper and supplies
HP LaserJet MFP Analog Fax Accessory quickly and securely processes documents	HP Jetdirect ew2400 802.11g Wireless Print Server allows easy network access without the wires	HP Jetdirect 635n IPv6/IPsec Print Server with the latest in network security	HP Digital Sending Software 4.3 lets you digitally capture paper-based documentation for easy routing and storage	HP AutoStore software allows you to send scanned documents to document management and collaboration platforms	Add memory for up to 512 MB total

HP LaserJet M4345 MFP series

Technical specifications	HP LaserJet M4345 MFP	HP LaserJet M4345x MFP	HP LaserJet M4345xs MFP
Print and copy speed	Up to 45 ppm letter		
First page out	Less than 10 seconds		
Resolution	Printing: up to 1200 by 1200 dpi; copying: up to 600 by 600 dpi; color scanning: up to 600 dpi optical (up to 1200 dpi enhanced)		
Features			
Copying	Number of copies: up to 1000; Reduce or enlarge: 25 to 400% from scanner glass or ADF; staple collate, image and contrast adjustment, pages per sheet, booklet format, optimize text/picture, original size, job build, edge to edge, mixed original support		
Scanning	Color, flatbed, ADF; file types: PDF, JPEG, TIFF, MTIFF		
Faxing	Optional analog fax accessory	Standard analog fax accessory: speed: up to 33.6 kbps; [8] JBIG compression, fax forwarding, fax polling, auto redialing	
Digital sending	Standard: Send to e-mail, send to network folder, LDAP and SMTP authentication, LDAP addressing; File formats: PDF, JPG, TIFF, MTIFF; Optional HP Digital Sending Software, HP AutoStore		
Processor	480 MHz		
Memory/storage	256 MB DDR RAM (fixed), expandable to 512 MB via one open DDR DIMM slot; Memory Enhancement technology (MEt); embedded hard disk		
Durability ratings	Recommended monthly page volume [9] : 5,000–15,000 pages per month; Duty cycle [10]: up to 200,000 pages per month		
Paper			
Input	100-sheet multipurpose tray 1, 500-sheet input tray 2, 50-sheet automatic document feeder	100-sheet multipurpose tray 1, two 500-sheet input trays (2 and 3), 50-sheet automatic document feeder	
Output	500-sheet output bin		500-sheet stacker, 30-sheet stapler
Two-sided printing	Manual; optional automatic accessory	Automatic two-sided printing accessory (duplexer)	
Sizes	100-sheet multipurpose tray, 3-bin mailbox, and stacker: 3 by 5 in (76 by 127 mm) to 8.5 by 14 in (216 by 356 mm), letter, legal, executive, statement, 8.5 x 13 in; 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, 8.5 x 13 in; ADF: 5.8 x 8.3 in (148 x 210 mm) to 8.5 x 14 in (216 x 356 mm), letter, legal;		
	ADF: 5.8 x 8.3 in	Flatbed scanner: up to 8.9 x 11.9 in (227 x 302 mm); Custom sizes not supported on two-sided accessory, envelope feeder, or stapler	
Weights	100-sheet multipurpose tray, 3-bin mailbox: 16 to 53 lb (60 to 200 g/m²); trays 2, 3, 4, 5, automatic two-sided printing accessory, stapler/stacker, ADF: 16 to 32 lb (60 to 120 g/m²); optional envelope feeder: 20 to 28 lb (75 to 105 g/m²)		
Types	Paper (plain, preprinted, letterhead, prepunched, bond, recycled, color, rough), transparencies, labels, envelopes, cardstock		
Connectivity			
Interfaces	One HP Jetdirect Fast Ethernet embedded print server; one Hi-Speed USB 2.0 port (type B); one Foreign Interface port; one open EIO slot	One HP Jetdirect Fast Ethernet embedded print server; one Hi-Speed USB 2.0 port (type B); one Foreign Interface port; one open EIO slot; one analog fax port	
Languages and fonts	HP PCL6, HP PCL5e, HP postscript level 3 emulation, direct PDF printing (v 1.4); 80 scalable TrueType fonts		
Client operating systems	Windows 2000, XP Home, XP Professional, XP Professional x64, Server 2003, Certified for Windows Vista®; Mac OS X v10.2.8, v10.3, v10.4 or later; PowerPC G3, G4, G5, and Intel Core processor		
Network operating systems	Via HP Jetdirect print servers: Windows 2000, XP Home, XP Professional, XP Professional x64, Server 2003; Novell 5.1 and higher; Mac OS X v10.2.8, v10.3, v10.4 and higher; Red Hat Linux 7.x and higher; SuSE Linux 8.x and higher; HP-UX 10.20, 11.x, 11.i; Solaris 2.5 and higher (SPARC systems only); IBM AIX 3.2.5 and higher (requires software from NOS vendor); MPE-iX; Citrix MetaFrame Server; Windows Terminal Services		
Network protocols	IPv6: DHCPv6, HTTP, HTTPS, Port 9100, LPD, IIP, Secure IIP, MLDv6, ICMPv6; IPv4: FTP, IPP, Secure IPP, Auto-IP, Apple Bonjour Compatible, Telnet, SLP, IGVPv2, BOOTP/DHCP, WINS, SNMPv1/v2c/v3, TFTP, HTTP, HTTPS, Port9100, LPD; other: IPX/SPX, DLC, LLC, Appletalk, Netware NDS, Binary, NCP		
Security	Standard: Private print, HP Secure Storage Erase, network authentication (LDAP, SMTP); With optional HP Jetdirect print servers: 802.1x for Wired Networks, SNMPv3 and HTTPS, and Secure IPP (IPP-S) and IPsec		
Dimensions (w by d by h)	30 by 22.3 by 21.5 in (762 by 566 by 545 mm)	30 by 22.3 by 26.3 in (762 by 566 by 667 mm)	40.4 by 29.3 by 43.7 in (1026 by 744 by 1110 mm)
Weight	117.7 lb (53.5 kg)	140.5 lb (63.9 kg)	219 lb (99.4 kg)
What's in the box	All models: straight power cord, control panel overlay, print cartridge, software and documentation on CD, in-box documentation: (Getting Started guide, Network Configuration guide, wall poster, support flyer)		
		Also includes: phone cord, 500-sheet input tray 3, analog fax accessory, automatic two-sided printing accessory	Also includes: phone cord, 500-sheet input tray 3, analog fax accessory, automatic two-sided printing accessory, stapler/stacker, MFP stand with storage cabinet

Environmental ranges

Operating temperature — Recommended: 63 to 77° F (17 to 25° C)
Storage temperature — 50 to 99° F (13 to 38° C)
Relative humidity — Recommended: 30% to 70%, non-condensing

Acoustics [11]

Power emissions — Active: 6.9 B(A) printing, 7.2 B(A) copying
Standby: Inaudible

Pressure emissions — Active: 54 dB(A)printing, 56 dB(A) copying
Standby: Inaudible

Power requirements [12] — 110 to 127 VAC (±10%), 50/60 Hz (±2 Hz), recommended circuit capacity 15 amps
220 to 240 VAC (±10%), 50/60 Hz (±2 Hz), recommended circuit capacity 8 amps

Power consumption [12] — Maximum: 725 watts (printing), 830 watts (copying); Ready: 49 watts (M4345: 46 watts) Sleep: 16 watts (M4345: 15 watts) Off: 0.26 watts
Typical Electricity Consumption (TEC): 5.963 kWh/Week
ENERGY STAR® qualified models; see: **http://www.hp.com/go/energystar**

Product certifications

Safety — Canada (cUL-CAN/CSA C22.2 No.60950-00), USA (UL-UL 60950; FDA-21 CFR Chapter 1 Subchapter J for lasers), Class 1 Laser/LED Product

Electromagnetic Compatibility — CISPR 22: 1993/EN 55022: 1994 Class B, EN 61000-3-2: 2000, EN 61000-3-3: 1995, EN 55024: 1998, FCC Title 47 CFR, Part 15 Class B/ICES-003, Issue 4/GB9254-1998, GB17625.1-2003, EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC, and carries the CE-Marking accordingly

Warranty — One-year, next day, on-site limited warranty backed by HP Customer Care, service and support; one year technical phone support.

HP SureSupply enabled — To learn more, please visit **www.hp.com/go/SureSupply**

[8] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer.
[9] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
[10] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables convenient deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
[11] Configuration tested: base model, simplex printing, A4 paper at an average of 45 ppm.
[12] Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.
[13] Average cartridge yield: 18,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.
[14] Supports printing only, no software scan, no webscan.
[15] Supports printing only, no webscan.

Ordering information

Product	Number
HP LaserJet M4345 MFP	CB425A
HP LaserJet M4345x MFP	CB426A
HP LaserJet M4345xs MFP	CB427A
Connectivity	
HP Jetdirect en1700 USB 2.0 Print Server [14]	J7988G
HP Jetdirect en3700 USB 2.0 Print Server [15]	J7942G
HP Jetdirect ew2400 wireless USB 2.0 Print Server [15]	J7951G
HP Jetdirect 175x Fast Ethernet USB external print server [15]	J6035G
HP Jetdirect 630n IPv6 Gigabit Ethernet Print Server	J7997G
HP Jetdirect 635n IPv6/IPsec internal Print Server	J7961G
HP high-performance serial ATA EIO hard disk	J7989G
HP 1284B parallel card	J7972G
Software and accessories	
HP LaserJet MFP analog fax accessory	Q3701A
HP Digital Sending Software 4	T1936AA
HP AutoStore software	T1943AA
Paper handling	
500-sheet input feeder tray	Q5968A
Automatic two-sided printing accessory (for HP LaserJet M4345 MFP only)	Q5969A
75-sheet envelope feeder	Q2438B
Stapler/stacker	Q5691A
3-bin mailbox	Q5692A
Printer stand with storage cabinet	Q5970A
Supplies	
HP LaserJet black print cartridge with Smart Printing Technology, 18,000 page yield [13]	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
Memory	
128 MB 100-Pin DDR DIMM	Q7718A
256 MB 100-Pin DDR DIMM	Q7719A
Service and support	
3 year, next-day onsite response	H7668E
3 year, 9x5 same-day onsite response	U4845E
3 year, 13x5 same-day onsite response	H7686E
4 year, next-day onsite response	U8025E
4 year, 9x5 same-day onsite response	UA328E
4 year, 13x5 same-day onsite response	UA330E
5 year, next-day onsite response	U8026E
5 year, 9x5 same-day onsite response	UA329E
5 year, 13x5 same-day onsite response	UA331E
Network installation	U2010E
Solutions	
See the Global Solutions Catalog: www.hp.com/go/gsc	
HP papers	
North America: www.hp.com/go/paper	USA: 1-800-477-5010

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