



HP LaserJet M4345xm Laser A4 1200 x 1200 DPI 45 ppm

Brand : HP

Product family: LaserJet

Product code: CB428A

Product name : M4345xm

LaserJet M4345xm

HP LaserJet M4345xm. Print technology: Laser, Maximum resolution: 1200 x 1200 DPI. Maximum copy resolution: 600 x 600 DPI. Scanning: Colour scanning, Optical scanning resolution: 600 x 600 DPI. Faxing: Mono faxing. Maximum ISO A-series paper size: A4



Printing		Weight & dimensions	
Print technology *	Laser	Weight	99.4 kg
Printing *	✗	Packaging data	
Duplex printing *	✓	Package weight	171 kg
Maximum resolution *	1200 x 1200 DPI	Logistics data	
Print speed (black, normal quality, A4/US Letter) *	45 ppm	Pallet gross weight	171 kg
Time to first page (black, normal)	10 s	Products per pallet	1 pc(s)
Print speed (black, best quality, A4)	43 ppm	Other features	
Print speed (black, best quality, letter)	Up to 45 ppm	Standard input trays	3
Copying		I/O ports	1x USB 1x 10/100 Ethernet (RJ-45) 1x FIH 1x FAX 1x Open EIO slot 1x Jetlink
Copying *	✗	Networking features	Via HP Jetdirect Embedded Network Print Server, HP Jetdirect internal print servers, HP Jetdirect external print servers, HP wireless print servers, HP connectivity cards
Maximum copy resolution *	600 x 600 DPI	Dimensions (WxDxH)	914 x 483 x 1110 mm
Time to first copy (letter)	< 10 sec	Acoustic power emissions	6.9 B(A) (printing at 45 ppm)
Maximum number of copies	1000 copies	Copier smart software features	Up to A4 capable copying on the glass, up to legal size through the automatic document feeder, 50 page ADF, duplexing (optional on base unit), reduce/enlarge, contrast adjustments, mixed original support
Copy resolution (black graphics)	600 x 600 dpi	Custom media sizes	Tray 1, optional 3-bin mailbox or stacker part of stapler/stacker: 76 x 127 to 216 x 356 mm; Tray 2 and optional Tray 3, 4, 5: 148 x 210 to 216 x 356 mm; custom sizes not supported on optional automatic two-sided printing unit, envelope feeder, stapler
Left metric copy margin	4.2		
Right metric copy margin	4.2		
Top metric copy margin	4.2		
Copier settings	Sides, staple collate, image adjustment, reduce/enlarge, paper selection, content orientation, output bin, pages per sheet, booklet format, optimize text/picture, original size, job build, edge to edge		
Bottom copy margin	4.2		
Maximum copy speed (black, A4)	43 cpm		
Copy speed (black, best, letter)	Up to 45 cpm		

Scanning		Other features	
Duplex scanning *	✓	Duplex print options	Automatic (standard)
Scanning *	Colour scanning		Tray 1, optional stacker: 60 to 200 g/m ² ; Tray 2, optional 500-sheet input tray, optional automatic two-sided printing unit, optional stapler: 60 to 120 g/m ² ; optional envelope feeder: 75 to 105 g/m ²
Optical scanning resolution *	600 x 600 DPI	Media weights by paper path	
Maximum scan area	216 x 297 mm		
Scanner type *	Flatbed scanner	Network ready	✓
Input colour depth	30 bit	Pallet dimensions (W x D x H)	1200 x 1000 x 1440 mm
Greyscale levels	256	Power requirements	Input voltage 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz), recommended circuit capacity 8 amps
Scan input modes	Front-panel scan, Copy, Fax, e-mail, ADF	Print quality (black, draft quality)	600 DPI
Scanner features	Colour scanning of up to A4 size documents, 50 page ADF	Printer management	HP Web Jetadmin, HP Easy Printer Care Software (neither is shipped in box)
Scan speed (black, normal quality)	Up to 45 ppm	Standard media sizes	Letter, legal, executive, statement, 8.5" x 13", envelopes (No.10, Comm.)
Minimum scan size	No minimum	Typefaces	28 built in
Fax		Modem type	33.6 Kbps
Faxing *	Mono faxing	Media types supported	Paper (plain, preprinted, letterhead, prepunched, bond, recycled, color, rough), Transparencies, Labels, Envelopes, Card stock
Modem speed	33.6 Kbit/s	Minimum system requirements for Macintosh	Mac OS 10.2 and higher, 128 MB RAM, 25 MB available hard disk space, network or USB port
Auto-redialing	✓	Print quality (black, best quality)	1200 x 1200 DPI
Fax speed dialing (max numbers)	100	Print quality (black, normal quality)	1200 DPI
Fax forwarding	✓	Maximum dimensions (W x D x H)	925 x 566 x 549 mm
Fax broadcasting	100 locations	Print margin bottom (A4)	4.2 mm
Fax delayed sending	✓	Print margin left (A4)	4.2 mm
Auto reduction	✓	Print margin right (A4)	4.2 mm
Distinctive ring	✗	Print margin top (A4)	4.2 mm
Features		Printer smart software features	Up to legal-size capable printing, full LaserJet printing functionality, HP ProRes 1200 at full engine speed, duplexing available, Instant-on Technology, HP Smart printing technology
Maximum duty cycle *	200000 pages per month	Standard output capacity for transparencies	700 sheets
Digital sender	✗	Driver updates	The latest software and drivers are available for the HP LaserJet M4345 MFP from the HP Web site at http://www.hp.com/support/ljm4345mfp
Number of print cartridges *	1	Duplex supported media size	A4, A5, B5 (JIS), executive (JIS), 16K
Page description languages	PCL 5, PCL 6	Scan file formats	JPG, PDF, TIFF
All-In-One-multitasking	✓	Image scaling/enlargement range	25 - 400%
Input & output capacity		Memory upgrade	0.512 GB
Total input capacity *	1100 sheets	Memory technology	Memory Enhancement technology (MEt)
Total output capacity *	500 sheets	Control panel	VGA graphical touch screen, contrast control dial, numeric keypad, sleep button, reset button, stop button, start button, attention light, data light, ready light
Auto document feeder (ADF)	✓	Safety	Argentina (TUV S Mark-Rs.92/98/Ds.1009/98), Australia (AS/NZ 3260), Canada (cUL-CAN/CSA C22.2 No.60950-00), China (GB4943), EU (CE Mark-Low Voltage Directive 73/23/EEC), Germany (TÜV- EN60950-IEC 60825-1), Russia (GOST- R50377), USA (UL-UL 60950; FDA-21 C
Auto document feeder (ADF) input capacity	50 sheets	Upgrade type	Add additional paper handling capability with a 75-sheet envelope feeder, DSS software
Maximum input capacity for envelopes	Up to 75 envelopes	Service & support	HP Web sites, HP Customer Support Centre, HP Care Packs, HP service agreement
Standard output capacity for envelopes	10 sheets	Auto document feeder: supported media types and capacity	Sheets: 50
Maximum input capacity	2100 sheets	Maximum internal memory	512 GB
Maximum output capacity	700 sheets	Media weight (tray 2)	60 to 120 g/m ²
Paper handling			
Maximum ISO A-series paper size *	A4		
Maximum print size	211.9 x 351.6 mm		
Auto Document Feeder (ADF) media weight	60 to 120		
Envelope feeder	Yes, 75 (with the purchase of an optional envelope feeder)		
Recommended media weight	Tray 1: 60 - 200, Tray 2: 60 - 120, Tray 3: 60 - 120		
Media weight (tray 1)	60 to 200 g/m ²		
Media handling	Sheetfed		
Maximum paper trays	5		
Paper handling optional/input	two 500-sheet input trays		
Paper handling standard/input	100-sheet multi-purpose tray, two 500-sheet input trays, 50-sheet Automatic Document Feeder (ADF)		
Paper handling standard/output	700-sheet 3-bin mailbox		
Media type and capacity (tray 2)	Sheets: 500, transparencies: 100		

Paper handling		Other features	
Paper handling	100-sheet multi-purpose tray, two 500-sheet input trays, optional two additional 500-sheet input trays, 50-sheet Automatic Document Feeder (ADF), automatic two-sided printing, 700-sheet 3-bin mailbox	Media weight (tray 3)	60 to 120 g/m ²
		Media size (tray 2)	A4, A5, B5 (JIS), executive (JIS), 16K, letter, legal, executive, 8.5 x 13 in, custom 148 x 210 to 216 x 356 mm
Ports & interfaces		Compatible operating systems	Windows 2000, XP Home, XP Professional, XP Professional x64 Edition, Server 2003; Mac OS 10.2 and higher Microsoft Windows 2000, XP Home, XP Professional, XP Professional x64, Server 2003; Windows Vista supported soon (visit www.hp.com/go/windowsvista)
Standard interfaces	Ethernet	Downloadable software	Printing system, PCL 6 driver only, PCL 5 driver only, PostScript driver only, WJA applet, UPD PCL 5, UPD PostScript, HP Easy Printer Care Software, PC fax driver
Network		Functions	Black-and-white printing, black-and-white copying, colour scanning black-and-white faxing
Ethernet LAN *	✓	Maximum scan area (imperial)	22.6 cm (8.9")
Supported network protocols (IPv4)	IPv6: DHCPv6, HTTP, HTTPS, Port 9100, LPD, IIP, Secure IIP, MLDv6, ICMPv6; IPv4: FTP, IPP, Secure IPP, Auto-IP, Apple Bonjour Compatible, Telnet, SLP, IGMPv2, BOOTP/DHCP, WINS, SNMPv1/v2c/v3, TFTP, HTTP, HTTPS, Port9100, LPD; other: IPX/SPX, DLC, LLC, Appletalk, Netware NDS, Binary, NCP	Package dimensions (W x D x H)	1200.2 x 1000.3 x 1440.2 mm (47.2 x 39.4 x 56.7")
Performance		Pallet dimensions (W x D x H) (imperial)	1201.4 x 1000.8 x 1440.2 mm (47.3 x 39.4 x 56.7")
Internal storage capacity	40 GB	Pallet weight (imperial)	170.6 kg (376.2 lbs)
Internal memory *	256 MB	Weight (imperial)	153.03 lb
Built-in processor	✓	Size (imperial)	102.1 cm (40.2")
Processor frequency	480 MHz	Standard input capacity for envelopes	10 sheets
Minimum system requirements	133 MHz processor or higher, 64 MB RAM, 40 MB available hard disk space, USB or network port	Acoustic power emissions (active, print, copy or scan)	72 dB
Design		Acoustic power emissions (ready)	Inaudible
Market positioning *	Business	Acoustic pressure emissions bystander (active, print, copy or scan)	56 dB(A) 54 dB(A)
Display diagonal	43.2 cm (17")	Acoustic pressure emissions bystander (ready)	Inaudible
Operational conditions		Auto fax reduction supported	✓
Operating relative humidity (H-H)	10 - 80%	Copier scaling (Auto Document Feeder)	25 to 400%
Recommended operating temperature range (T-T)	10 - 32.5 °C	Duplex binding	✓
Storage temperature (T-T)	0 - 35 °C	First page out (black&white, A4, ready)	10 s
Operating temperature (T-T)	10 - 32.5 °C	First page out (black&white, letter, ready)	10 s
Storage relative humidity (H-H)	10 - 80%	Handset	✓
Operating altitude (imperial)	10000 ft	Junk barrier supported	✓
Sustainability		Maximum input capacity (tray 1)	100 sheets
Sustainability certificates	Blue Angel	Maximum scan area (ADF) (imperial)	215.9 x 355.6 mm (8.5 x 14")
		Maximum scan area (ADF)	216 x 356 mm
		Media sizes supported (imperial)	Letter, legal, executive, statement, 8.5 x 13 in, envelopes (No. 10, commercial)
		Minimum scan area (Auto Document Feeder)	147.3 x 210.8 mm (5.8 x 8.3")
		Minimum scan area (ADF)	148 x 210 mm
		Minimum scan area	0 x 0 mm (0 x 0")
		Package weight (imperial)	170.6 kg (376.2 lbs)
		SureSupply connection type	Direct and Network
		SureSupply supported	✓
		Wireless option type	Optional, enabled with purchase of a hardware accessory
		UNSPSC-code	43212110
		Security management description	SNMPv3, SSL/TLS (HTTPS), 802.1x authentication, Web Jetadmin
		All-in-one functions	Fax, Scan
		Colour all-in-one functions	Scan, No
		Package dimensions (WxDxH)	1200 x 1000 x 1440 mm

Other features

Media size (tray 1)	A4, A5, B5 (JIS), executive (JIS), 16K, D postcard (JIS), letter, legal, executive, statement, 8.5 x 13 in, envelopes (DL, C5, B5, No. 10, Commercial), custom 76 x 127 to 216 x 356 mm
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 t



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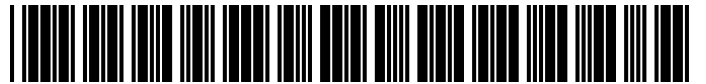
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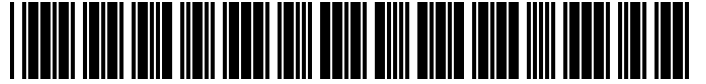
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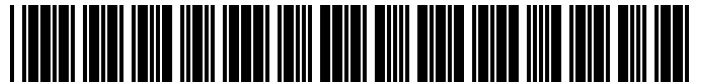
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