



HP Color LaserJet Enterprise MFP M681 series

This HP Color LaserJet MFP merges performance, energy efficiency, and the deepest security.¹

This HP Color LaserJet MFP with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network with the industry's deepest security.¹



HP Color LaserJet Enterprise MFP M681dh



HP Color LaserJet Enterprise MFP M681f



HP Color LaserJet Enterprise Flow MFP
M681f



HP Color LaserJet Enterprise Flow MFP
M681z

The world's most secure printing¹

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Run-time intrusion detection continually monitors to detect and stop attacks, then automatically reboots.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.⁸
- Give workgroups what they need to succeed. Easily choose and deploy over 180 HP and third-party solutions.

High speed performance meets energy efficiency

- Scanning is now faster than ever; scan to SharePoint and more.
- This MFP wakes up fast and prints your first page faster—in as quickly as ____ seconds.⁷
- This MFP uses exceptionally low amounts of energy thanks to its innovative design and toner technology.⁹
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes 4 x 6" to legal.

More Pages, Performance, and Protection⁴

- ColorSphere3 toner formulation, combined with an automatic media sensor, help provide leading print quality.
- Original HP Toner cartridges with JetIntelligence supply 39% more pages per color cartridge vs predecessor.⁴
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.⁵

Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 150 pages into the automatic document feeder for fast, unattended scanning.

¹ Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: hp.com/go/printersecurityclaims

² More pages versus predecessor cartridges claim based on page-yield comparison of HP 653X High Yield Color Original LaserJet Toner Cartridges with HP 657X High Yield Color Original LaserJet Toner Cartridges. For more information, see hp.com/go/learnaboutsupplies

³ HP 657X High Yield Original LaserJet Toner Cartridges not included; please purchase separately.

⁴ Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.

⁵ HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.

⁶ Energy claim based on TEC data reported on energystar.gov as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings. Actual results may vary.

Product walkaround

1. Hardware Integration Pocket¹
2. Easy-access USB port²
3. 1,000-sheet 3-bin stapler/stacker with offset job printing (Flow z models only)
4. Built-in automatic two-sided printing
5. HP High-Performance Secure Hard Disk
6. 550-sheet tray 2
7. 3x550-sheet paper feeder and stand³
8. 150-sheet ADF with single-pass, two-sided scanning and HP EveryPage⁴
9. 8.0-inch (20.3 cm) icon-based color touchscreen
10. Pull-out keyboard⁴
11. 100-sheet multipurpose tray 1
12. Lower-right door (access to print path)
13. Front door access to toner cartridges
14. Fax port⁵
15. Slot for cable-type security lock
16. Built-in Gigabit Ethernet
17. Hi-Speed USB 2.0 printing port
18. USB port for connecting external USB devices



Series at a glance



Model	HP Color LaserJet Enterprise MFP M681dh	HP Color LaserJet Enterprise MFP M681f	HP Color LaserJet Enterprise Flow MFP M681f	HP Color LaserJet Enterprise Flow MFP M681z
Product number	J8A10A	J8A11A	J8A12A	J8A13A
Print speeds (letter/A4) ⁶	Up to 50/47 pages per minute (ppm)		Up to 50/47 ppm	
Fax capabilities	Optional	√		
100-sheet tray 1, 550-sheet tray 2	√			
550-sheet paper feeder	Optional (up to two) ⁷	Not available	Optional (up to two)	Not available
550-sheet paper feeder with stand and cabinet	Optional ⁷	√	Optional	Not available
3x550-sheet paper feeder and stand	Optional ⁷	Not available	Optional	√
1x550-sheet/2,000-sheet HCI feeder and stand	Optional ⁷	Not available	Optional	Not available
3-bin stapler/stacker with offset job printing	Not available			√
Advanced workflow features including pull-out keyboard	Not available		√	
Direct mobile printing	Optional wireless direct ⁸ /NFC ⁹	Optional wireless direct ⁷ /NFC ⁸		
Wireless networking	Optional ¹¹	Optional ¹⁰		

¹ Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

² An administrator must enable the easy-access USB port before use.

³ Standard and optional paper-handling accessories vary by model. See Series at a glance table for details.

⁴ The pull-out keyboard and HP EveryPage are only available on the HP Color LaserJet Enterprise Flow MFP M681z and Flow MFP M682z models.

⁵ Fax capability is optional on the HP Color LaserJet Enterprise MFP M681dh model; it is included on all other models.

⁶ Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

⁷ Wi-Fi Direct printing is embedded in the HP Color LaserJet Enterprise Flow MFP M682z model. All other models can add wireless direct by purchasing the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct[®] supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see hp.com/go/mobileprinting. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance[®].

⁸ Touch-to-print capability is optional for all models (except the Flow MFP M682z) with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see hp.com/go/businessmobileprinting.

⁹ Bluetooth Low Energy is only available on the HP Color LaserJet Enterprise Flow MFP M682z. Bluetooth[®] is a trademark owned by its proprietor and used by HP Inc. under license.

¹⁰ Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: hp.com/go/cpc

Same Day Onsite – 4 hour 9x5: Sends an HP technician to customers’ site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

Next Business Day Onsite with Defective Media Retention: Customers can retain their hard disk drive and keep control of sensitive data.

Top features

Only HP enterprise printers repair themselves from attacks in real time while offering outstanding manageability. Automatically monitor threats, detect intrusions, and validate operating software while centrally managing your fleet with ease.¹

With speeds up to 50 pages per minute³, fast first page out and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Get more pages and help protect your MFP using Original HP Toner cartridges with JetIntelligence.⁴

Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs fast—up to 180 ipm⁶—and avoid extra steps with a Flow MFP designed for maximum productivity.

Accessories	
2MU47A	HP Accessibility Assistant
2TD64A	HP Accessibility Kit
A7W13A	HP LaserJet Keyboard Overlay Kit-Danish/French-Switzerland/German-Switzerland
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
B5L31A	HP Foreign Interface Harness
E5K48A	HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
F5S62A	HP Trusted Platform Module Accessory
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
J8031A	HP Jetdirect 2900nw Print Server
Supplies	
CF450A	HP 655A Black Original LaserJet Toner Cartridge (12,500 pages)
CF451A	HP 655A Cyan Original LaserJet Toner Cartridge (10,500 pages)
CF452A	HP 655A Yellow Original LaserJet Toner Cartridge (10,500 pages)
CF453A	HP 655A Magenta Original LaserJet Toner Cartridge (10,500 pages)
CF470X	HP 657X High Yield Black Original LaserJet Toner Cartridge (28,000 pages)
CF471X	HP 657X High Yield Cyan Original LaserJet Toner Cartridge (23,000 pages)
CF472X	HP 657X High Yield Yellow Original LaserJet Toner Cartridge (23,000 pages)
CF473X	HP 657X High Yield Magenta Original LaserJet Toner Cartridge (23,000 pages)
P1B94A	HP LaserJet Toner Collection Unit (Up to 100,000 pages)
Services	
U9NP3E - HP 3y Nbd+DMR CLJ Ent MFP M68x HW Supp	
U9NP4E - HP 4y Nbd+DMR CLJ Ent MFP M68x HW Supp	
U9NP5E - HP 5y Nbd+DMR CLJ Ent MFP M68x HW Supp	
U9NP6E - HP 3y 4h 9x5+DMR CLJ Ent MFP M68x HWSupp	
U9NP7E - HP 4y 4h 9x5+DMR CLJ Ent MFP M68x HWSupp	
U9NP8E - HP 5y 4h 9x5+DMR CLJ Ent MFP M68x HWSupp	
U9NP9E - HP 3y 4h13x5+DMR CLJ Ent MFP M68x HWSupp	
U9NQ0E - HP 4y 4h13x5+DMR CLJ Ent MFP M68x HWSupp	
U9NQ1E - HP 5y 4h13x5+DMR CLJ Ent MFP M68x HWSupp	
U9NQ2E - HP 3y NBD CTR+DMR CLJ EntMFP M68x HWSupp	
U9NQ3E - HP 4y NBD CTR+DMR CLJ EntMFP M68x HWSupp	
U9NQ4E - HP 5y NBD CTR+DMR CLJ EntMFP M68x HWSupp	
U9NQ5E - HP 3yNbd ChnlParts CLJ EntMFP M68x SVC	
U9NQ6E - HP 4yNbd ChnlParts CLJ EntMFP M68x SVC	
U9NQ7E - HP 5yNbd ChnlParts CLJ EntMFP M68x SVC	
U9NW8E - HP 3yNbd+max3MaintKit CLJEntMFP M68xHWSupp	
U9NW9E - HP 4yNbd+max4MaintKit CLJEntMFP M68xHWSupp	
U9NX0E - HP 5yNbd+max5MaintKit CLJEntMFP M68xHWSupp	
U9NX1PE - HP 1y PW Nbd+DMR CLJ Ent MFP M68x HWSupp	
U9NX2PE - HP 1yPW ChnlParts CLJ Ent MFP M68x SVC	
U9NY0PE - HP 2yPW ChnlParts CLJ Ent MFP M68x SVC	



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⁵ HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.

⁶ Energy claim based on TEC data reported on energystar.gov as of January 2017. Data normalized to determine energy efficiency of in-class laser printers with published speed of 50 to 60 ppm. Subject to device settings. Actual results may vary.

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Model	HP Color LaserJet Enterprise MFP M681dh		HP Color LaserJet Enterprise MFP M681f	HP Color LaserJet Enterprise Flow MFP M681f	HP Color LaserJet Enterprise Flow MFP M681z
Product number	J8A10A		J8A11A	J8A12A	J8A13A
AIO functions	Print, copy, scan; AIO multitasking supported: Yes		Print, copy, scan, fax; AIO multitasking supported: Yes		
Print					
Print speed ^{11, 13, 14, 12}	First page out Letter: As fast as 6.4 sec Black; As fast as 6.4 sec Color; First page out A4: As fast as 6.5 sec Black; As fast as 6.5 sec Color; Letter: Up to 50 ppm Black; Up to 50 ppm Color; A4: Up to 47 ppm Black; Up to 47 ppm Color; Print speed (Landscape, A5): Up to 74 ppm Black; Up to 74 ppm Color				
Print resolution	Black (best) Up to 1200 x 1200 dpi; Black (normal) Up to 600 x 600 dpi; Black (fine lines) Up to 1200 x 1200 dpi; Color (best): Up to 1200 x 1200 dpi; Color (normal): Up to 600 x 600 dpi; Color (fine lines): Up to 1200 x 1200 dpi				
Print technology	Laser; Print resolution technology: HP ImageRet 3600; 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated				
Print cartridges number	4 (1 each black, cyan, magenta, yellow)				
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)				
Printer smart software features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB				
Printer management / HP SureSupply	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver/ Yes				
Scan					
Scan type / Technology	Type: Flatbed, ADF; Technology: Charge Coupled Device (CCD); Twain version: Version 2.1				
Scan resolution	Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi				
Scan file format	Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A; Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)			Digital Send: PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)	
Scan input modes	Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications; HP Scan or user application via TWAIN	Front panel applications: Copy; E-mail; Fax; Save to Network Folder; Save to USB; Save to Device Memory; Save to SharePoint; Open Extensibility Platform (OXP) applications; HP Scan or user application via TWAIN			
Scan Size	ADF: 8.5 x 34.0 in Maximum; 2.7 x 5.8 in Minimum; Flatbed: 8.5 x 14 in				
Scan speed ¹⁸	Up to 75 ppm (b&w), up to 75 ppm (color) Letter; Up to 69 ppm (b&w), up to 69 ppm (color) A4; Duplex: Up to 120 ipm (b&w), up to 120 ipm (color) Letter; Up to 111 ipm (b&w), up to 111 ipm (color) A4			Up to 90 ppm (b&w), up to 90 ppm (color) Letter; Up to 83 ppm (b&w), up to 83 ppm (color) A4; Duplex: Up to 180 ipm (b&w), up to 180 ipm (color) Letter; Up to 167 ipm (b&w), up to 167 ipm (color) A4	
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; PDF, JPG, TIF, MTIF			Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone; PDF, JPG, TIF, MTIF	
Bit depth / Grayscale levels	24-bit / 256				
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF		
Copy					
Copy speed ¹⁵	Letter: Up to 50 cpm Black; Up to 50 cpm Color; A4: Up to 47 cpm Black; Up to 47 cpm Color; First copy out Letter: As fast as 6.6 sec Black; As fast as 7.1 sec Color; First copy out A4: As fast as 6.7 sec Black; As fast as 7.2 sec Color; 2-sided Letter: Up to 50 cpm Black; Up to 50 cpm Color; 2-sided A4: Up to 47 cpm Black; Up to 47 cpm Color				
Copy resolution	Black (text and graphics): Up to 600 x 600 dpi; Color (text and graphics): Up to 600 x 600 dpi				
Maximum Number of Copies	Up to 9999				
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, job build, edge-to-edge, job storage, ID Copy, Book Copy, A-to-B Copy (different media sizes)				
Fax					
Fax speed			Up to:33.6 kbps / Letter:3 sec per page		
Fax resolution			Black (best): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Black (standard): 203 x 98 dpi		
Fax smart software features			Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule		
Fax Features			Fax memory: Up to 500 pages; Auto fax reduction supported: Yes; Auto-redialing: Yes; Fax delayed sending: No; Distinctive ring detection supported: No; Fax forwarding supported: Yes; Fax phone TAM interface supported: No; Fax polling supported: Yes (poll to receive only); Fax telephone mode supported: No; Junk barrier supported: Yes; Maximum speed dialing numbers: Up to 1000 numbers (each with 210 destinations); PC interface supported: Yes; Remote retrieval capability supported: No; Telephone handset supported: No		
Connectivity					
Standard connectivity	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket		1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax		
Network capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11 a/b/g/n wireless networking (optional).				
Wireless capability	Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A				
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™-certified; Google Cloud Print 2.0				
Memory	Standard: 1.5 GB (printer); 512 MB (scanner); Maximum: 4 GB			Standard: 1.5 GB (printer); 1 GB (scanner); Maximum: 4.5 GB	
Processor speed	1.2 GHz / Storage ¹⁹ : 500 GB hard disk drive / Hard disk: Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)				
Duty cycle (monthly)	Letter: Up to 100,000 pages; A4: Up to 100,000 pages; Recommended monthly page volume: 2000 to 14,000				

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Model	HP Color LaserJet Enterprise MFP M681dh	HP Color LaserJet Enterprise MFP M681f	HP Color LaserJet Enterprise Flow MFP M681f	HP Color LaserJet Enterprise Flow MFP M681z
Product number	J8A10A	J8A11A	J8A12A	J8A13A
Paper handling				
Input	100-sheet multi-purpose tray, 550-sheet input tray 2, 150-sheet automatic document feeder; Up to 650 sheets Standard; MP Tray: Up to 10 envelopes (or 10mm stack height)	100-sheet multi-purpose tray, 550-sheet input trays 2, 3, 150-sheet automatic document feeder; Up to 1200 sheets Standard; MP Tray: Up to 10 envelopes (or 10mm stack height)	100-sheet multi-purpose tray, 550-sheet input tray 2, 150-sheet automatic document feeder; Up to 650 sheets Standard; MP Tray: Up to 10 envelopes (or 10mm stack height)	100-sheet multi-purpose tray, 550-sheet input trays 2, 3, 4, 5, 150-sheet automatic document feeder; Up to 2300 sheets Standard; MP Tray: Up to 10 envelopes (or 10mm stack height)
Output	Standard: 500-sheet output tray, two-sided printing; Up to 500 sheets Standard; Transparencies: Up to 200 sheets		Standard: 500-sheet output tray, two-sided printing; Up to 500 Sheets Standard; Transparencies: Up to 200 sheets	Standard: 500-sheet output tray, 500 sheet output stapler stacker, two-sided printing; Up to 1,000 sheets Standard; Transparencies: Up to 200 sheets
Duplex Options	Automatic (standard)			
Auto document feeder capacity	Standard, 150 sheets			
Envelope feeder	No			
Standard paper trays	2	3	2	5
Media types	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined			
Media weight	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2: 16 to 90 lb (plain) 32 to 58 lb (glossy)	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Trays 2, 3: 16 to 90 lb (plain) 32 to 58 lb (glossy)	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Tray 2: 16 to 90 lb (plain) 32 to 58 lb (glossy)	Tray 1: 16 to 58 lb (plain) 32 to 58 lb (glossy); Trays 2, 3, 4, 5: 16 to 90 lb (plain) 32 to 58 lb (glossy)
Media sizes	Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet trays: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 2,000-sheet high-capacity tray: letter, legal	Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Trays 2, 3: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in	Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 550-sheet trays: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; Optional 2,000-sheet high-capacity tray: letter, legal	Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Trays 2, 3, 4, 5: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2000-sheet high-capacity tray: custom sizes not supported in this tray	Tray 1: 3 x 5 to 8.5 x 14 in; Trays 2, 3: 4 x 5.83 to 8.5 x 14 in	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4 x 5.83 to 8.5 x 14 in; Optional 550-sheet trays: 4 x 5.83 to 8.5 x 14 in; Optional 2000-sheet high-capacity tray: custom sizes not supported in this tray	Tray 1: 3 x 5 to 8.5 x 14 in; Trays 2, 3, 4, 5: 4 x 5.83 to 8.5 x 14 in
Dimensions (w x d x h)	20.08 x 21.85 x 25.91 in; 510 x 555 x 658 mm; Maximum: 37.91 x 30.31 x 35.83 in; 963 x 770 x 910 mm	25.87 x 25.87 x 43.62 in; 657 x 657 x 1108 mm; Maximum: 39.06 x 37.32 x 53.54 in; 992 x 948 x 1360 mm	20.08 x 21.85 x 25.91 in; 510 x 555 x 658 mm; Maximum: 37.91 x 30.31 x 35.83 in; 963 x 770 x 910 mm	25.87 x 25.87 x 50.00 in; 657 x 657 x 1270 mm; Maximum: 39.06 x 38.07 x 60.20 in; 992 x 967 x 1529 mm
Weight ⁴	93.2 lb; 42.3 kg	135.4 lb; 61.5 kg	94.4 lb; 42.8 kg	168.1 lb; 76.3 kg
What's in the box ²	HP Color LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~12,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord			
Replacement cartridges ⁸	HP 655A Black Original LaserJet Toner Cartridge (~12,500 yield) CF450A; HP 657X High Yield Black Original LaserJet Toner Cartridge (~28,000 yield) CF470X; HP 655A Cyan Original LaserJet Toner Cartridge (~10,500 yield) CF451A; HP 657X High Yield Cyan Original LaserJet Toner Cartridge (~23,000 yield) CF471X; HP 655A Yellow Original LaserJet Toner Cartridge (~10,500 yield) CF452A; HP 657X High Yield Yellow Original LaserJet Toner Cartridge (~23,000 yield) CF472X; HP 655A Magenta Original LaserJet Toner Cartridge (~10,500 yield) CF453A; HP 657X High Yield Magenta Original LaserJet Toner Cartridge (~23,000 yield) CF473X			
Warranty features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://hp.com/support to learn about HP award winning service and support options in your region.			
Energy star certified	Yes			
Energy efficiency compliance ¹	ENERGY STAR® qualified; CECP; EPEAT® Silver			ENERGY STAR® qualified; CECP; EPEAT® Silver; EPEAT® Gold (Options AA2; 201)
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)		8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Pull-out Keyboard	
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)			
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals			
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts			
Compatible operating systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS mac OS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)			
Compatible network operating systems	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenApp 6.0/6.5/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenApp 7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Citrix XenDesktop 5.6 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenDesktop 7.0/7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Novell NetWare 6.5/SP8 Novell Clients www.novell.com/print , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/print , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-/64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services)			
Minimum system requirements	PC: 2 GB available hard disk space; OS hardware requirements see microsoft.com ; Mac: 1.3 GB available hard drive space; Internet; OS hardware requirements see apple.com for more info			
Power ⁶	Power supply type: Built in 115V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier); Power supply required: Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220 V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A; Power consumption: 900 watts (printing/copying), 47 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Manual On), 0.1 (Manual Off); Typical electricity consumption (TEC) number: 2.68 kWh/Week (Blue Angel); 0.672 kWh/Week (Energy Star 3.0); Best technical electricity consumption (TEC): 2.24 kWh/Week			
Acoustics	Acoustic power emissions: 6.6 B(A)			
Operating environment	Operating temperature range: 59 to 86°F ; Recommended operating temperature: 63.5 to 77°F ; Storage temperature range: -4 to 104°F ; Operating humidity range: 10 to 80% RH ; Recommended operating humidity range: 30 to 70% RH			
Security management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.: badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports WJ-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs			

¹ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.² Cartridges included; yields 10,500 color (C/Y/M) and 12,500 black pages. Pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. Pages may vary based on customer printing conditions and usage.³ With print cartridges⁴ With print cartridges⁵ 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. Power consumption values typically based on measurement of 115V device.⁶ 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. Energy Star value typically based on measurement of 115V device.⁷ Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.⁸ Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>⁹ Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit <http://www.hp.com/go/learnaboutsupplies>¹⁰ High-Performance Secure Hard Disk (AES 256 hardware encryption or greater); Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)¹¹ Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.¹² Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.¹³ Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.¹⁴ Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.¹⁵ First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application and document complexity.¹⁶ First Copy Out from Ready measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.¹⁷ Measured after 15 min in sleep from Device Wake to Page In Bin. Exact speed varies depending on the system configuration, software application, document complexity and time in sleep.¹⁸ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.¹⁹ Scan software not included in box. HP Scan and TWIN driver available for download at <http://hp.com/support>

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