

HP Color LaserJet Enterprise MFP M681 series



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



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.

Product walkaround

HP Color LaserJet Enterprise Flow MFP M681z

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. 3x500-sheet paper feeder and stand³
8. 150-sheet ADF with single-pass, two-sided scanning and HP EveryPage⁴
9. 20.3 cm (8-inch) icon-based colour 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 M681 dh	HP Color LaserJet Enterprise MFP M681 f	HP Color LaserJet Enterprise Flow MFP M681z
Product number	J8A10A	J8A11A	J8A13A
Print speeds (A4) ⁶	Up to 47 pages per minute (ppm)		
Fax capabilities	Optional	Yes	
100-sheet tray 1, 550-sheet tray 2	Yes		
550-sheet paper feeder	Optional (up to two) ⁷	Not available	
550-sheet paper feeder with stand and cabinet	Optional ⁷	Yes	Not available
3x550-sheet paper feeder and stand	Optional ⁷	Not available	Yes
1x550-sheet/2,000-sheet HCl feeder and stand	Optional ⁷	Not available	
3-bin stapler/stacker with offset job printing	Not available		Yes
Advanced workflow features including pull-out keyboard	Not available		Yes
Direct mobile printing	Optional wireless direct ⁸ /NFC ⁹		
Wireless networking	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 model only. ⁵ Fax capability is optional on the HP Color LaserJet Enterprise MFP M681 dh 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 All models come standard with the 100-sheet multipurpose tray 1 and 550-sheet tray 2. In addition, the M681 dh can add up to two additional 550-sheet paper feeders; or, it can add one of the other accessories (550-sheet paper feeder with stand and cabinet, 3x550-sheet paper feeder and stand, or 1x550-sheet/2,000-sheet HCl feeder and stand). ⁸ 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[®]. ⁹ 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. ¹⁰ All models can add wireless networking with the purchase of the optional 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.

Configurable Items, Accessories, Supplies and Support

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)
	P1B91A HP LaserJet 110V Maintenance Kit (yield 150K)
	P1B92A HP LaserJet 220V Maintenance Kit (yield 150K)
	P1B93A HP LaserJet Image Transfer Belt Kit (yield 150K)
	P1B94A HP LaserJet Toner Collection Unit (yield 100K)
	J8J95A HP 300 ADF Roller Replacement Kit (yield 150K)
Accessories	B5L28A HP Internal USB Connectors
	B5L31A HP Foreign Interface Harness
	CC487A HP LaserJet MFP Analog Fax Accessory 500
	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
	J8J96A HP Staple Cartridge Refill
	P1B09A HP Color LaserJet 550-sheet Media Tray
	P1B10A HP Color LaserJet 550-sheet Paper Tray with Stand
	P1B11A HP Color LaserJet 3x550-sheet Feeder and Stand
	P1B12A HP Color LaserJet 1x550/2000-sheet HCI Feeder and Stand
	Service and Support
U9NP4E HP 4 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x	
U9NP5E HP 5 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x	
U9NP6E HP 3 year 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x	
U9NP7E HP 4 year 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x	
U9NP8E HP 5 year 4 hour 9x5 Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x	
U9NX1PE HP 1 year Post Wty NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x	
U9NX2PE HP 2 year Post Wty NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x	
U9NX3PE HP 1 year Post Warranty 4 hour 9x5 Service w/DMR for Color LaserJet Enterprise MFP M68x	
U9NX4PE HP 2 year Post Warranty 4 hour 9x5 Service w/DMR for Color LaserJet Enterprise MFP M68x	

Technical specifications

Model	HP Color LaserJet Enterprise MFP M681dh	HP Color LaserJet Enterprise MFP M681f	HP Color LaserJet Enterprise Flow MFP M681z
Product number	J8A10A	J8A11A	J8A13A
Functions	Print, copy, scan	Print, copy, scan, fax	
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
Print			
Print technology	Laser		
Print speed ¹¹	Black (A4, normal) Up to 47 ppm Colour (A4, normal): Up to 47 ppm ; Black (A4, duplex): Up to 47 ppm Colour (A4, duplex): Up to 47 ppm		
First page out ^{13,14}	Black (A4, ready): As fast as 6.5 sec Colour (A4, ready): As fast as 6.5 sec ; Black (A4, sleep): As fast as 9 sec Colour (A4, sleep): As fast as 9 sec		Black (A4, ready): As fast as 6.5 sec Colour (A4, ready): As fast as 6.5 sec ; Black (A4, sleep): As fast as 13.3 sec Colour (A4, sleep): As fast as 13.3 sec
Print resolution	Black (best): Up to 1200 x 1200 dpi Colour (best): Up to 1200 x 1200 dpi ; Technology: HP ImageRet 3600; 600 x 600 dpi; HP ProRes 1200 (1200 x 1200 dpi); Pantone® Calibrated		
Monthly duty cycle	Up to 100,000 pages A4; Recommended monthly page volume: 2000 to 14,000		
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		
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)		
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		
Print area	Print margins Top: 4.3 mm, Bottom: 4.3 mm, Left: 4.3 mm, Right: 4.3 mm; Maximum print area: 207.4 x 347.1 mm		
Duplex printing	Automatic (standard)		
Copy			
Copy speed ¹⁵	Black (A4): Up to 47 cpm; Colour (A4): Up to 47 cpm		
Copier specifications	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) ; Maximum number of copies: Up to 9999 ; Copy resolution: Up to 600 x 600 dpi		
Scan			
Scan speed ¹⁸	Normal (A4): Up to 69 ppm (b&w), up to 69 ppm (color); Duplex (A4): Up to 111 ipm (b&w), up to 111 ipm (color)		Normal (A4): Up to 83 ppm (b&w), up to 83 ppm (color); Duplex (A4): Up to 167 ipm (b&w), up to 167 ipm (color)
Scan file format ¹⁹	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)
Scanner specifications	Scanner type: Flatbed, ADF; Scan technology: Charge Coupled Device (CCD); 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; Twain version: Version 2.1; Duplex ADF scanning: Yes; Scan size maximum (flatbed): 216 x 356 mm; Optical scan resolution: Up to 600 dpi	Scanner type: Flatbed, ADF; Scan technology: Charge Coupled Device (CCD); Scan input modes: 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; Twain version: Version 2.1; Duplex ADF scanning: Yes; Scan size maximum (flatbed): 216 x 356 mm; Optical scan resolution: Up to 600 dpi	
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		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
Recommended monthly scan volume	14,250 to 23,750		26,750 to 44,500
Scannable area	Minimum media size (flatbed): No Minimum Size Maximum media size (flatbed): 216 x 356 mm; Minimum media size (ADF): 68 x 147 mm Maximum media size (ADF): 215.9 x 863.6 mm		
Bit depth/ Grey scale levels	24-bit / 256		
Digital sending	Standard: Scan to E-mail; Scan-to-Sharepoint; 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 ; Optional: Optional via HP Digital Sending Software (HP DSS); Send to folder; Send-to-workflow; Send-to-printer; Authentication; Digital fax (send to LAN, Internet); OCR; Local Address Book	Standard: 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 ; Optional: Optional via HP Digital Sending Software (HP DSS); Send to folder; Send-to-workflow; Send-to-printer; Authentication; Digital fax (send to LAN, Internet); OCR; Local Address Book	Standard: Scan to E-mail; Scan-to-Sharepoint; 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; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR ; Optional: Optional via HP Digital Sending Software (HP DSS); Send to folder; Send-to-workflow; Send-to-printer; Authentication; Digital fax (send to LAN, Internet); OCR; Local Address Book
Fax			
Fax	No,	Yes, 33.6 kbps	
Fax specifications		Fax memory: Up to 500 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: 203 x 196 dpi; Superfine: 203 x 392 dpi or 300 x 300; Quick dialing: Up to 1000 numbers (each with 210 destinations)	
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	
Processor speed	1.2 GHz		
Connectivity			
Standard	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	
Optional	HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A		
Wireless	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		
Supported network	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple		

protocols	AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x		
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); 802.11a/b/g/n wireless networking (optional).		
Hard disk	Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)		
Memory	Standard: 1.5 GB (printer); 512 MB (scanner); Maximum: 4 GB		Standard: 1.5 GB (printer); 1 GB (scanner); Maximum: 4.5 GB
Media handling			
Number of paper trays	Standard: 2 ; Maximum: 5		Standard: 3 ; Maximum: 3
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 size	<p>Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 101.6 x 148 to 216 x 356 mm; Optional 550-sheet trays: 101.6 x 148 to 216 x 356 mm; Optional 2,000-sheet high-capacity tray: custom sizes not supported in this tray ; Supported (metric): Tray 1: A4, A5, A6, RA4, B5, B6, 16k, 10 x 15 cm, Oficio, postcards (JIS single and double) envelopes (DL, C5, B5, C6); Tray 2: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard; Optional 550-sheet trays 3, 4, 5: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard; Optional 2,000-sheet high-capacity Tray 4: A4 ; ADF: Letter; legal; oficio; executive; statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS); 4 x 6 in; 5 x 7 in; 5 x 8 in; 68 x 147 mm to 215.9 x 863.6 mm; 2.68 x 5.79 in to 8.46 x 34 in</p>	<p>Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; Trays 2, 3: 101.6 x 148 to 216 x 356 mm ; Supported (metric): Tray 1: A4, A5, A6, RA4, B5, B6, 16k, 10 x 15 cm, Oficio, postcards (JIS single and double) envelopes (DL, C5, B5, C6); Trays 2, 3: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard ; ADF: Letter; legal; oficio; executive; statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS); 4 x 6 in; 5 x 7 in; 5 x 8 in; 68 x 147 mm to 215.9 x 863.6 mm; 2.68 x 5.79 in to 8.46 x 34 in</p>	<p>Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; Trays 2, 3, 4, 5: 101.6 x 148 to 216 x 356 mm ; Supported (metric): Tray 1: A4, A5, A6, RA4, B5, B6, 16k, 10 x 15 cm, Oficio, postcards (JIS single and double) envelopes (DL, C5, B5, C6); Trays 2, 3, 4, 5: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard ; ADF: Letter; legal; oficio; executive; statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS); 4 x 6 in; 5 x 7 in; 5 x 8 in; 68 x 147 mm to 215.9 x 863.6 mm; 2.68 x 5.79 in to 8.46 x 34 in</p>
Media handling	<p>Standard input: 100-sheet multi-purpose tray, 550-sheet input tray 2, 150-sheet automatic document feeder Standard output: 500-sheet output tray, two-sided printing Optional input: Optional 1x550-sheet paper feeder, optional 1x550 paper feeder and stand with cabinet, optional 3x550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1x550 sheet feeder and 1x2,000-sheet feeder ADF: Standard, 150 sheets</p>	<p>Standard input: 100-sheet multi-purpose tray, 550-sheet input trays 2, 3, 150-sheet automatic document feeder Standard output: 500-sheet output tray, two-sided printing ADF: Standard, 150 sheets</p>	<p>Standard input: 100-sheet multi-purpose tray, 550-sheet input trays 2, 3, 4, 5, 150-sheet automatic document feeder Standard output: 500-sheet output tray, 500 sheet output stapler stacker, two-sided printing ADF: Standard, 150 sheets</p>
Media weight	Tray 1: 60-220 g/m ² (plain), 120 to 220 g/m ² (glossy); Tray 2: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); ADF: 45 to 199 g/m ²	Tray 1: 60-220 g/m ² (plain), 120 to 220 g/m ² (glossy); Trays 2, 3: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); ADF: 45 to 199 g/m ²	Tray 1: 60-220 g/m ² (plain), 120 to 220 g/m ² (glossy); Trays 2, 3, 4, 5: 60 to 163 g/m ² (plain), 120 to 220 g/m ² (glossy); ADF: 45 to 199 g/m ²
Input capacity	<p>Tray 1: Paper: 100 sheets of 75 g/m² media; Envelopes: 10 Tray 2: Plain media (75 g/m²) sheets: 550 (55 mm stack height); Glossy media sheets (120 g/m²): 250 (30 mm stack height) Maximum: Up to 3200 sheets ADF: Standard, 150 sheets</p>	<p>Tray 1: Paper: 100 sheets of 75 g/m² media; Envelopes: 10 Tray 2: Plain media (75 g/m²) sheets: 550 (55 mm stack height); Glossy media sheets (120 g/m²): 250 (30 mm stack height) Tray 3: Plain media (75 g/m²) sheets: 550 (55 mm stack height); Glossy media sheets (120 g/m²): 250 (30 mm stack height) Maximum: Up to 1200 sheets ADF: Standard, 150 sheets</p>	<p>Tray 1: Paper: 100 sheets of 75 g/m² media; Envelopes: 10 Tray 2: Plain media (75 g/m²) sheets: 550 (55 mm stack height); Glossy media sheets (120 g/m²): 250 (30 mm stack height) Tray 3: Plain media (75 g/m²) sheets: 550 (55 mm stack height); Glossy media sheets (120 g/m²): 250 (30 mm stack height) Maximum: Up to 2300 sheets ADF: Standard, 150 sheets</p>
Output capacity	Standard: Up to 500 sheets Envelopes: Up to 85 envelopes Transparencies: Up to 200 sheets Maximum: Up to 500 sheets		Standard: Up to 1,000 sheets Envelopes: Up to 85 envelopes Transparencies: Up to 200 sheets Maximum: Up to 1,000 sheets

Technical specifications

Model	HP Color LaserJet Enterprise MFP M681dh	HP Color LaserJet Enterprise MFP M681f	HP Color LaserJet Enterprise Flow MFP M681z
Product number	J8A10A	J8A11A	J8A13A
Compatible operating systems	Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; Windows Vista; Android; macOS X 10.10 Yosemite; macOS 10.11 El Capitan; macOS 10.12 Sierra; Linux; UNIX		
Compatible network operating systems	Windows 11; Windows Server; Linux; Citrix; Novell		
Minimum system requirements	Windows: 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		
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		
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 WJA-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		
Printer management	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		
Dimensions and weight			
Printer dimensions (W x D x H)	Minimum 510 x 555 x 658 mm; Maximum: 963 x 770 x 910 mm	Minimum 657 x 657 x 1108 mm; Maximum: 992 x 948 x 1360 mm	Minimum 657 x 657 x 1270 mm; Maximum: 992 x 967 x 1529 mm
Printer weight ³	42.3 kg	61.5 kg	76.3 kg
Operating environment	Temperature: 15 to 30°C; Humidity: 30 to 70% RH		
Storage conditions	Temperature: -20 to 40°C; Humidity: 10 to 90% RH		
Acoustics	Acoustic power emissions: 6.6 B(A); Acoustic pressure emissions: 52 dB(A)		
Power ⁵	Requirements: 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. Not dual voltage, power supply varies by part number with # Option code identifier. ; 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): 2.68 kWh/Week (Blue Angel); 0.672 kWh/Week (Energy Star 3.0) ; Power supply type: Built in 115V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)		
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy		
Certifications ¹	Electromagnetic emission standard: CISPR 22:2008 (International) - Class A, CISPR 32:2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EMC Directive 2014/30/EU, FCC CFR 47 Part 15 Class A / ICES-003, Issue 6 Class A, Other EMC approvals as required by individual countries ENERGY STAR® qualified; CECP; EPEAT® Silver	Electromagnetic emission standard: CISPR 22:2008 (International) - Class A, CISPR 32:2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EMC Directive 2014/30/EU, FCC CFR 47 Part 15 Class A / ICES-003, Issue 6 Class A, Other EMC approvals as required by individual countries ENERGY STAR® qualified; CECP; EPEAT® Silver Telecom compliance: ES 203 021-1 v2.1.1; ES 203 021-2 v2.1.2; ES 203 021-3 v2.1.2; FCC Rules and Regulations 47 CFR Part 68; Other Telecom approvals as required by individual countries	Electromagnetic emission standard: CISPR 22:2008 (International) - Class A, CISPR 32:2012 (International) - Class A, EN 55032: 2012 (EU) - Class A, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010, EMC Directive 2014/30/EU, FCC CFR 47 Part 15 Class A / ICES-003, Issue 6 Class A, Other EMC approvals as required by individual countries ENERGY STAR® qualified; CECP; EPEAT® Silver; EPEAT® Gold (Options AAZ: 201) Telecom compliance: ES 203 021-1 v2.1.1; ES 203 021-2 v2.1.2; ES 203 021-3 v2.1.2; FCC Rules and Regulations 47 CFR Part 68; Other Telecom approvals as required by individual countries
Sustainable impact specifications	Mercury-free		
Blue Angel compliant ⁷	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies		Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Country of origin	Made in Mexico (NA); Made in Netherlands (EMEA); Made in China (AP)		
What's in the box ²	J8A10A 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	J8A11A 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	J8A13A 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
Warranty	1 Year Limited Warranty (Next Business Day On-Site)		

Footnotes

- 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 Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at hp.com/go/printsecurity.
- ³ 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.
- ⁴ 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
- ⁵ HP 657X High Yield Original LaserJet Toner Cartridges not included; please purchase separately.
- ⁶ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
- ⁷ Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
- ⁸ HP Web Jetadmin is available for download at no additional charge at hp.com/go/webjetadmin.
- ⁹ 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.
- ¹⁰ An FCC Class A emissions compliant device meets the less stringent (higher) levels of emissions allowed by the FCC for a product operation in a commercial environment. An FCC class A device cannot be marketed for use in a residential environment and an FCC class A device should not be purchased for use in a residential environment due to the increased risk of interference to radio communications.

Technical specifications disclaimers

- 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 cartridges
- ⁴ With print cartridges
- ⁵ 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.

