

# HP Color LaserJet Enterprise MFP M680 series



## A reliable boost to your workflow

Tackle high-volume jobs with this high-performance colour MFP. Print and copy, plus scan and fax<sup>1</sup>. Enhanced scanning features and a 20cm (8-inch) colour touchscreen smooth workflows. Mobile printing options help you stay productive on the go<sup>2</sup>.



HP Color LaserJet Enterprise Multifunction M680dn Printer



HP Color LaserJet Enterprise Multifunction M680f Printer



Color touchscreen



Color laser technology



2-sided printing



NFC

### Boost your workflow.

- Get more done much faster: scan two-sided documents in a single pass – no missed pages, no flipping pages by hand.
- Preview and edit scans, adjust images, and launch standard processes, all at the 20 cm (8-inch) colour touchscreen.
- Fast, accurate input: enter data more quickly and accurately, using the pull-out keyboard<sup>3</sup>.
- Scan and send digital files directly to email, SharePoint<sup>®</sup>, network folders or the cloud<sup>4</sup>.

### Mobilise business printing.

- Print without wires or a network. Get easy access to the MFP through optional wireless direct printing<sup>5</sup>.
- Mobile printing at a touch: enable touch-to-print convenience from mobile devices<sup>6</sup>.
- Easily print from smartphones, tablets, and notebooks at work, home, or on the go with Apple<sup>®</sup> AirPrint<sup>™</sup><sup>7</sup> and HP ePrint<sup>™</sup><sup>2</sup>; Mopria-certified.
- Pull print jobs from your pocket – walk up and print or scan from your USB drive.

### Easily upgrade and add new capabilities as your needs change.

- Secure your investment – depend on an MFP that can expand with your business, whenever solutions advance.
- Keep a close watch, even from afar – centrally monitor and control your MFPs with HP Web Jetadmin<sup>8</sup>.
- Be confident that sensitive business data is protected with advanced security and an encrypted hard disk.

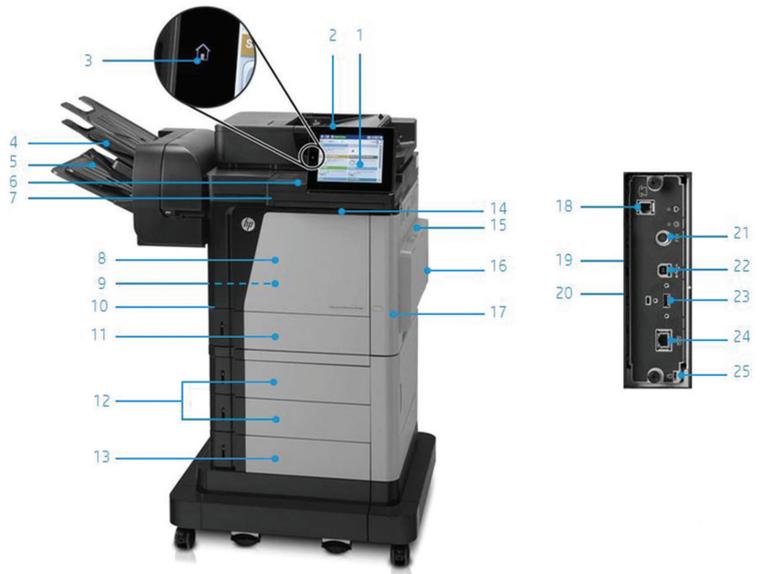
### Power up your productivity.

- Tackle high volume printing: load the MFP with up to 3,100 sheets and high-capacity Original HP cartridges, and let it go to work<sup>9</sup>.
- Reduce employee time at the MFP, using the automatic document feeder.
- Confidently capture data. HP EveryPage lets you scan without worry and detect potential errors on the spot<sup>10</sup>.
- Save time with automatic job sorting and finishing, using the 3-bin stapling mailbox<sup>11</sup>.

## Product walkaround

### HP Color LaserJet Enterprise Flow MFP M680z shown:

1. Intuitive 20,3 cm colour touchscreen control panel
2. 100-sheet automatic document feeder (ADF) with single-pass, two-sided scanning and HP EveryPage with ultrasonic double-feed detection
3. Home button (returns to home screen)
4. 900-sheet, 3-bin stapling mailbox accessory
5. 500-sheet output bin
6. Hardware integration pocket (for connecting accessory and third-party devices)
7. Easy access USB port to save and print files directly (An administrator must enable the easy-access USB port before use)
8. Front door (access to toner cartridges)
9. Built-in automatic duplexer
10. Lower-right door (access for clearing jams)
11. 500-sheet tray 2
12. 2 x 500-sheet tray
13. 1,500-sheet high-capacity input with stand
14. Pull-out keyboard for easy, accurate data entry
15. Right-side door (access for clearing jams)
16. 100-sheet multipurpose tray
17. On/off button
18. Fax port
19. 320 GB HP Secure High Performance Hard Disk
20. 800 MHz processor, 2 GB RAM
21. Foreign interface harness (for connecting external devices)
22. Hi-Speed USB 2.0 printing port
23. Hi-speed USB 2.0 port (for connecting third-party devices)
24. HP Jetdirect Gigabit Ethernet print server
25. Access port for optional Kensington-style lock



## Series at a glance



Model	HP Color LaserJet Enterprise MFP M680dn	HP Color LaserJet Enterprise MFP M680f	HP Color LaserJet Enterprise Flow Multifunction M680z Printer
<b>Product number</b>	CZ248A	CZ249A	CZ250A
<b>Analog fax</b>	Optional	Yes	Yes
<b>Automatic two-sided printing</b>	Yes	Yes	Yes
<b>100-sheet multipurpose tray 1</b>	Yes	Yes	Yes
<b>500-sheet tray 2</b>	Yes	Yes	Yes
<b>500-sheet tray 3</b>	Optional*	Not available	Not available
<b>500-sheet tray 4</b>	Optional*	Not available	Not available
<b>500-sheet feeder tray with cabinet</b>	Optional*	Yes	Not available
<b>2x500-sheet and 1,500-sheet feeder tray and stand</b>	Optional*	Not available	Yes
<b>900-sheet, 3-bin stapling mailbox accessory</b>	Optional*	Optional	Yes
<b>ENERGY STAR® qualified</b>	Yes	Yes	Yes
<b>320 GB HP Secure High Performance Hard Disk</b>	Yes	Yes	Yes
<b>Workflow features (Hard key Board, HP Every Page Precision Feed, Heavy Duty Scanner, OCR)</b>	Not available	Not available	Yes

\*M680dn model: Only up to 2 additional paper handling options can be added: additional 500-sheet tray (up to 2); or one additional 500-sheet tray and 900-sheet 3-bin stapling mailbox accessory;

## Accessories, Supplies and Support

<b>Supplies</b>	<b>CF320A</b> HP 652A Black Original LaserJet Toner Cartridge 11,500 pages
	<b>CF320X</b> HP 653X High Yield Black Original LaserJet Toner Cartridge 21,000 pages
	<b>CF321A</b> HP 653A Cyan Original LaserJet Toner Cartridge 16,500 pages
	<b>CF322A</b> HP 653A Yellow Original LaserJet Toner Cartridge 16,500 pages
	<b>CF323A</b> HP 653A Magenta Original LaserJet Toner Cartridge 16,500 pages
	<b>CE246A</b> HP Color LaserJet CE246A 110V Fuser Kit 150,000 pages
	<b>CE247A</b> HP Color LaserJet CE247A 220V Fuser Kit 150,000 pages
	<b>CE249A</b> HP Color LaserJet CE249A Image Transfer Kit 150,000 pages
	<b>CE265A</b> HP 648A Toner Collection Unit 36,000 pages
	<b>CZ261A</b> HP LaserJet 500-sheet Paper Tray
<b>Accessories</b>	<b>CZ262A</b> HP LaserJet 500-sheet Paper Feeder with Cabinet
	<b>CZ263A</b> HP 2x500/1x1500-sheet Paper Feeder and Stand
	<b>CZ264A</b> HP 900-sheet 3-bin Stapling Mailbox
	<b>C8091A</b> HP Staple Cartridge Refill (5000 staples) for Stapler/Stacker accessories
	<b>CC487A</b> HP LaserJet MFP Analog Fax Accessory 500
	<b>Connectivity</b>
<b>J8026A</b> HP Jetdirect 2700w USB Wireless Print Server	
<b>J8029A</b> HP Jetdirect 2800w NFC/Wireless Direct Accessory	
<b>ESK46A</b> HP 1200w NFC/Wireless Mobile Print Accessory	
<b>Service and support</b>	<b>U1PF8E</b> HP 3 year Next Business Day with Defective Media Retention Color LaserJet M680 Multifunction Printer Support
	<b>U1PF9E</b> HP 4 year Next Business Day with Defective Media Retention Color LaserJet M680 Multifunction Printer Support
	<b>U1PG0E</b> HP 5 year Next Business Day with Defective Media Retention Color LaserJet M680 Multifunction Printer Support
	<b>U1PF2E</b> HP 3 year 4 hour 9x5 Color LaserJet M680 MFP Hardware Support
	<b>U1PH4PE</b> HP 1 year Post Warranty Next Business Day with Defective Media Retention Color LaserJet M680 MFP Support
	<b>U1PH1PE</b> HP 2 year Post Warranty Next Business Day Color LaserJet M680 MFP Hardware Support
	<b>U1PH2PE</b> HP 1 year Post Warranty 4 hour 9x5 Color LaserJet M680 MFP Support
	(U1PF2E/U1PH2P: please check availability at country level)

\*HP Jetdirect 2700w and HP Jetdirect 2800w cannot be installed at the same time.

## Technical specifications

Model	HP Color LaserJet Enterprise MFP M680dn	HP Color LaserJet Enterprise MFP M680f	HP Color LaserJet Enterprise Flow Multifunction M680z Printer
<b>Product number</b>	CZ248A	CZ249A	CZ250A
<b>Print speed</b>	Up to 42 ppm black (A4); Up to 42 ppm colour (A4); Up to 38 ipm black duplex (A4); Up to 38 ipm colour duplex (A4)		
<b>First page out time</b>	As fast as 10.5 sec black (A4, ready); As fast as 10.5 sec colour (A4, ready)		
<b>Print resolution</b>	Up to 1200 x 1200 dpi black; Up to 1200 x 1200 dpi colour		
<b>Print technology</b>	Laser		
<b>Print Area</b>	Print margins: Top: 4.3 mm; Bottom: 4.3 mm; Left: 4.3 mm; Right: 4.3 mm; Maximum print area: 207.3 x 347.0 mm		
<b>Print languages</b>	HP PCL 6, HP PCL 5e, HP Postscript Level 3 emulation, PDF, PDF and AirPrint (URF and PDF)		
<b>Mobile printing capability</b>	HP ePrint, Apple AirPrint™, Mopria-certified, Mobile Apps, optional Touch to Print, optional Wireless Direct printing		
<b>Monthly duty cycle</b>	Up to 175,000 pages (A4), Recommended monthly page volume: 3000 to 17000		
<b>Duplex printing</b>	Automatic		
<b>Fonts and typefaces</b>	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 <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>		
<b>SureSupply supported</b>	Yes		
<b>Processor speed</b>	800 Mhz		
<b>Display</b>	20.3 cm capacitive-touchscreen, SVGA (800 x 600 resolution), gesture support	20.3 cm capacitive-touchscreen, SVGA (800 x 600 resolution), gesture support	20.3 cm capacitive-touchscreen, SVGA (800 x 600 resolution), gesture support and extended keyboard
<b>Wireless</b>	Optional, enabled with purchase of HP Jetdirect 2700w USB Wireless Print Server J8026A or HP Jetdirect ew2500 802.11b/g Wireless Print Server J8021A. Please note: HP Jetdirect 2800W (J8029A) and HP Jetdirect 2700W (J8026A) accessories cannot be installed at the same time.		
<b>Connectivity</b>	Standard: 1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 FIH; Optional: J8026A - HP Jetdirect 2700w USB Wireless Print Server; J8029A - HP Jetdirect 2800w NFC/Wireless Direct Accessory; J8021A - HP Jetdirect ew2500 802.11b/g Wireless Print Server. Please note: HP Jetdirect 2800W (J8029A), HP Jetdirect 2700W (J8026A) and HP Jetdirect ew2500 802.11b/g (J8021A) accessories cannot be installed at the same time.	Standard: 1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 FIH; Optional: J8026A - HP Jetdirect 2700w USB Wireless Print Server; J8029A - HP Jetdirect 2800w NFC/Wireless Direct Accessory; J8021A - HP Jetdirect ew2500 802.11b/g Wireless Print Server. Please note: HP Jetdirect 2800W (J8029A), HP Jetdirect 2700W (J8026A) and HP Jetdirect ew2500 802.11b/g (J8021A) accessories cannot be installed at the same time.	Standard: 1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 FIH; Optional: J8026A - HP Jetdirect 2700w USB Wireless Print Server; J8029A - HP Jetdirect 2800w NFC/Wireless Direct Accessory; J8021A - HP Jetdirect ew2500 802.11b/g Wireless Print Server. Please note: HP Jetdirect 2800W (J8029A), HP Jetdirect 2700W (J8026A) and HP Jetdirect ew2500 802.11b/g (J8021A) accessories cannot be installed at the same time.
<b>Network ready</b>	Standard (built-in Gigabit Ethernet); Included Touch-to-Print and Wireless Direct		
<b>Memory</b>	Standard: 2 GB (system memory); Maximum: 3 GB (system memory)		
<b>Hard disk</b>	Standard, minimum 320 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)	Standard, minimum 320 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)	Standard, minimum 320 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)
<b>Copier settings</b>	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; Maximum number of copies: Up to 9999 copies; Copy resolution: Up to 600 x 600 dpi (Flatbed), 300 x 600 dpi (ADF)		
<b>Copy speed</b>	Up to 42 cpm black (A4), Up to 42 cpm colour (A4)		

Model	HP Color LaserJet Enterprise MFP M680dn	HP Color LaserJet Enterprise MFP M680F	HP Color LaserJet Enterprise Flow Multifunction M680z Printer
<b>Product number</b>	CZ248A	CZ249A	CZ250A
<b>Scanner specifications</b>	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, Open Extensibility Platform (OXP) applications; Duplex ADF scanning: Yes, single pass duplex ADF; Scan size maximum (flatbed, ADF): 216 x 356 mm; Optical scan resolution: Up to 600 dpi Scan technology: Charge Coupled Device (CCD)	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, Open Extensibility Platform (OXP) applications; Duplex ADF scanning: Yes, single pass duplex ADF; Scan size maximum (flatbed, ADF): 216 x 356 mm; Optical scan resolution: Up to 600 dpi Scan technology: Charge Coupled Device (CCD)	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, Open Extensibility Platform (OXP) applications; Duplex ADF scanning: Yes, single pass duplex ADF; Scan size maximum (flatbed, ADF): 216 x 356 mm; Optical scan resolution: Up to 600 dpi Scan technology: Charge Coupled Device (CCD)
<b>Scan file format</b>	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A	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)
<b>Scan speed</b>	Up to 60 ppm (black & white), up to 45 ppm (colour); duplex: Up to 60 ipm (b&w), up to 45 ipm (colour)	Up to 60 ppm (black & white), up to 45 ppm (colour); duplex: Up to 60 ipm (b&w), up to 45 ipm (colour)	Up to 62 ppm (black & white), up to 60 ppm (colour); duplex: Up to 86 ipm (b&w), up to 63 ipm (colour)
<b>Scannable area</b>	Flatbed: Maximum media size: 216 x 356 mm Scannable area (ADF): Minimum media size: 68 x 148 mm; Maximum media size: 216 x 356 mm	Flatbed: Maximum media size: 216 x 356 mm Scannable area (ADF): Minimum media size: 68 x 148 mm; Maximum media size: 216 x 356 mm	Flatbed: Maximum media size: 216 x 356 mm Scannable area (ADF): Minimum media size: 68 x 148 mm; Maximum media size: 216 x 356 mm
<b>Scanner Advanced Features</b>	Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge erase; Auto job notification; Blank page suppression; HP Quick Sets	Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge erase; Auto job notification; Blank page suppression; HP Quick Sets	Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge erase; Auto tone; Auto job notification; Blank page suppression; Auto orientation; Auto page crop; HP Quick Sets
<b>Recommended monthly scan volume</b>	14,250 to 23,750	14,250 to 23,750	26,750 to 44,500
<b>Bit depth/ Grey scale levels</b>	24-bit/ 256	24-bit/ 256	24-bit/ 256
<b>Digital sending</b>	Standard: Scan to e-mail; Save to Network Folder; Save to USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL  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; via HP Embedded Capture; Metadata capture and validation; Data transfer; Scan workflow management	Standard: Scan to e-mail; Save to Network Folder; Save to USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL  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; via HP Embedded Capture; Metadata capture and validation; Data transfer; Scan workflow management	Standard: Scan to e-mail; Save to Network Folder; Scan to SharePoint; Save to USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; OCR; Local Address Book; SMTP over SSL  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; via HP Embedded Capture; Metadata capture and validation; Data transfer; Scan workflow management
<b>Fax</b>	Optional	Yes, 33.6 kbps	Yes, 33.6 kbps
<b>Fax smart software features</b>	Stored faxes; fax archiving; fax forwarding; scale-to-fit; fax address book; LAN/Internet fax; fax number confirmation	Stored faxes; fax archiving; fax forwarding; scale-to-fit; fax address book; LAN/Internet fax; fax number confirmation	Stored faxes; fax archiving; fax forwarding; scale-to-fit; fax address book; LAN/Internet fax; fax number confirmation
<b>Media types</b>	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, extra heavy, extra heavy glossy, cardstock, card glossy), colour transparency, labels, letterhead, envelope, preprinted, prepunched, coloured, rough, opaque film, user-defined	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, extra heavy, extra heavy glossy, cardstock, card glossy), colour transparency, labels, letterhead, envelope, preprinted, prepunched, coloured, rough, opaque film, user-defined	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, extra heavy, extra heavy glossy, cardstock, card glossy), colour transparency, labels, letterhead, envelope, preprinted, prepunched, coloured, rough, opaque film, user-defined
<b>Paper size</b>	ADF: A4; A5; B5 Custom metric: Tray 1: 101.6 x 152.4 to 216 x 356 mm; Tray 2: 148 x 210 to 216 x 356 mm  Supported metric: Tray 1: A4, A5, B5 (JIS), B6 (JIS); envelopes (C5, B5, C6, DL ISO); 16K; Postcard; Dpostcard; Tray 2, 3, 4: A4, A5, B5 (JIS); 16K; Tray 5: A4	Custom metric: Tray 1: 101.6 x 152 to 216 x 356 mm; Tray 2, 3: 148 x 210 to 216 x 356 mm  Supported metric: Tray 1: A4, A5, A6, B5 (JIS), B6 (JIS); envelopes (C5, B5, C6, DL ISO); 16K; Postcard; Dpostcard; Tray 2, 3, 4: A4, A5, B5 (JIS); 16K; Tray 5: A4	Custom metric: Tray 1: 101.6 x 152 to 216 x 356 mm; Tray 2, 3, 4: 148 x 210 to 216 x 356 mm; Tray 5: no custom sizes  Supported metric: Tray 1: A4, A5, A6, B5 (JIS), B6 (JIS); envelopes (C5, B5, C6, DL ISO); 16K; Postcard; Dpostcard; Tray 2, 3, 4: A4, A5, B5 (JIS); 16K; Tray 5: A4
<b>Paper handling</b>	Standard input: 100-sheet multipurpose tray, 500-sheet input tray 2, 100-sheet Automatic Document Feeder (ADF), automatic two-sided printing  Standard output: 500-sheet output bin Optional/Output: Optional 500-sheet tray 3 with storage cabinet, optional 2 x 500-sheet trays and 1500-sheet HCI with stand ADF: Standard, 100 sheets	Standard input: 100-sheet multipurpose tray, 500-sheet input tray 2, 500-sheet input tray 3, 100-sheet Automatic Document Feeder (ADF), automatic two-sided printing  Standard output: 500-sheet output bin	Standard input: 100-sheet multipurpose tray, 500-sheet input trays 2, 3, and 4, 1500-sheet input tray 5, 100-sheet Automatic Document Feeder (ADF), automatic two-sided printing  Standard output: 500-sheet output bin
<b>Input capacity</b>	Tray 1: sheets (75 g/m <sup>2</sup> ): 100, labels: 10, transparencies, cardstock (163 g/m <sup>2</sup> ): 50 ; cardstock (216 g/m <sup>2</sup> ): 30; envelopes: 10 Tray 2: sheets (75 g/m <sup>2</sup> ): 500; Glossy Paper (160 g/m <sup>2</sup> ): 300; Glossy Paper (220 g/m <sup>2</sup> ): 100 Tray 3: Optional  Maximum: Up to 3100 sheets	Tray 3: sheets (75 g/m <sup>2</sup> ): 500; Glossy Paper (160 g/m <sup>2</sup> ): 300; Glossy Paper (220 g/m <sup>2</sup> ): 100  Maximum: Up to 1100 sheets	Tray 3: Tray 3 and 4: sheets (75 g/m <sup>2</sup> ): 500; Glossy Paper (160 g/m <sup>2</sup> ): 300; Glossy Paper (220 g/m <sup>2</sup> ): 100; Tray 5: sheets (75 g/m <sup>2</sup> ): 1500; Glossy Paper (160 g/m <sup>2</sup> ): 300; Glossy Paper (220 g/m <sup>2</sup> ): 100 Maximum: Up to 3100 sheets
<b>Output capacity</b>	Standard: Up to 500 sheets, Up to 75 envelopes, Up to 200 sheets Transparencies Maximum: Up to 900 sheets	Up to 500 sheets, Up to 75 envelopes, Up to 200 sheets Transparencies	Up to 500 sheets, Up to 75 envelopes, Up to 200 sheets Transparencies
<b>Paper weight</b>	Tray 1: 60 to 216 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy); Trays 2, 3, 4: 60 to 120 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy)  ADF: 60 to 120 g/m <sup>2</sup>	Tray 1: 60 to 216 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy); Trays 2, 3, 4: 60 to 120 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy)	Tray 1: 60 to 216 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy); Trays 2, 3, 4, 5: 60 to 120 g/m <sup>2</sup> (plain), 105 to 220 g/m <sup>2</sup> (glossy)
<b>Standard connectivity</b>	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 FiH	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 FiH	1 Hi-Speed device USB 2.0; 2 Host USB 2.0 (for third party connections); 1 Jetlink; 1 Accessory (for Kensington Lock); 1 Gigabit Ethernet 10/100/1000; 1 FiH
<b>What's in the box</b>	HP Color LaserJet Enterprise MFP M680dn; Black, Cyan, Magenta, and Yellow HP Color LaserJet Toner Cartridges (installed); CD with software drivers and documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); 100-sheet multipurpose tray 1; 500-sheet input tray 2; Automatic duplex (built-in); Encrypted Hard Drive	HP Color LaserJet Enterprise MFP M680F; Black, Cyan, Magenta, and Yellow HP Color LaserJet Toner Cartridges (installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); 100-sheet multipurpose tray 1; 500-sheet input tray 2; Automatic duplex (built-in); Encrypted Hard Drive; 500 capacity sheet paper input w/cabinet/stand; Fax; Fax cable	HP Color LaserJet Enterprise MFP M680z; Black, Cyan, Magenta, and Yellow HP Color LaserJet Toner Cartridges (installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); power cord; HP Jetdirect Gigabit Ethernet Print Server (embedded); 100-sheet multipurpose tray 1; 500-sheet input tray 2; Automatic duplex (built-in); Encrypted Hard Drive; 2x500/1x1500-sheet paper feeder and stand; Fax; Fax cable; 900 sheet 3-bin stapling mailbox
<b>Replacement cartridges</b>	HP 652A Black Original LaserJet Toner Cartridge (~11,000 yield) CF320A; HP 653X High Yield Black Original LaserJet Toner Cartridge (~20,000 yield) CF320X; HP 653A Cyan Original LaserJet Toner Cartridge (~16,000 yield) CF321A; HP 653A Yellow Original LaserJet Toner Cartridge (~16,000 yield) CF322A; HP 653A Magenta Original LaserJet Toner Cartridge (~16,000 yield) CF323A	HP 652A Black Original LaserJet Toner Cartridge (~11,000 yield) CF320A; HP 653X High Yield Black Original LaserJet Toner Cartridge (~20,000 yield) CF320X; HP 653A Cyan Original LaserJet Toner Cartridge (~16,000 yield) CF321A; HP 653A Yellow Original LaserJet Toner Cartridge (~16,000 yield) CF322A; HP 653A Magenta Original LaserJet Toner Cartridge (~16,000 yield) CF323A	HP 652A Black Original LaserJet Toner Cartridge (~11,000 yield) CF320A; HP 653X High Yield Black Original LaserJet Toner Cartridge (~20,000 yield) CF320X; HP 653A Cyan Original LaserJet Toner Cartridge (~16,000 yield) CF321A; HP 653A Yellow Original LaserJet Toner Cartridge (~16,000 yield) CF322A; HP 653A Magenta Original LaserJet Toner Cartridge (~16,000 yield) CF323A

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<b>Product number</b>	CZ248A	CZ249A	CZ250A
<b>Supported network protocols</b>	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLIP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, iPrint		
<b>Compatible operating systems</b>	Windows XP SP3 or greater (32-bit and 64-bit); Windows Vista (32-bit and 64-bit); Windows 7 (32-bit and 64-bit); Windows 8 (32-bit and 64-bit); Windows Server 2003 SP2 or greater (32-bit and 64-bit); Windows Server 2008 (32-bit and 64-bit); Windows Server 2008 R2 (64-bit); Windows Server 2012 (64-bit); Mac OS X v10.6 Snow Leopard; OS X v10.7 Lion; OS X v10.8 Mountain Lion; OS X v10.9 Mavericks; For the latest operating system support see: Air Print <a href="http://support.apple.com/kb/ht4356">http://support.apple.com/kb/ht4356</a> ; Android Citrix® and Windows Terminal Services ( <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a> ); HP ePrint Software Driver <a href="http://www.hp.com/go/eprintsoftware">http://www.hp.com/go/eprintsoftware</a> ; Linux ( <a href="http://www.hp.com/go/linux">http://www.hp.com/go/linux</a> ); Novell ( <a href="http://www.novell.com/iprint">http://www.novell.com/iprint</a> ); SAP device types <a href="http://www.hp.com/go/sap/drivers">http://www.hp.com/go/sap/drivers</a> ; SAP Print <a href="http://www.hp.com/go/sap/print">http://www.hp.com/go/sap/print</a> ; UNIX <a href="http://www.hp.com/go/unix">http://www.hp.com/go/unix</a> ; UNIX Jetdirect <a href="http://www.hp.com/go/jetdirectunix_software">http://www.hp.com/go/jetdirectunix_software</a> ; Unix Model Scripts <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a>		
<b>Minimum system requirements</b>	Windows: Windows 8, Windows 7 (SP1 or higher), Windows Vista, Windows XP (SP2 or higher), Windows Server 2003 (SP1 or higher), Windows Server 2008; Windows Server 2008 R2 (64-bit); Windows Server 2012 (64-bit); 200 MB available hard disk space; CD-ROM or DVD drive, or Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0), or network connection; Operating system compatible hardware system requirements see <a href="http://www.microsoft.com">http://www.microsoft.com</a> Mac: Mac OS X v10.6 Snow Leopard; OS X v10.7 Lion; OS X v10.8 Mountain Lion; OS X v10.9 Mavericks; CD-ROM or DVD drive, or Internet connection; Dedicated Universal Serial Bus (USB 1.1 or 2.0), or network connection; 1 GB available hard disk space; Operating system compatible hardware system requirements see <a href="http://www.apple.com">http://www.apple.com</a>		
<b>Software included</b>	Windows: HP Installer/Uninstaller, HP PCL 6 printer driver, Wizard, Scan to Folder Setup Wizard, Scan to e-mail setup Wizard, HP Send Fax, DXP (Device Experience), HP Help & Learn Center, Product Registration Assist. Mac: HP Installer/Uninstaller, HP Postscript driver, HP Utility, HP Alerts, HP Firmware Updater		
<b>Security management</b>	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 WPA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP, EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List; Data: Storage Encryption, Encrypted PDF & e-mail (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; Security management: Compatible with HP Imaging and Printing Security Center		
<b>Printer management</b>	HP Web Jetadmin; HP Utility (Mac)		
<b>Printer dimensions (W x D x H)</b>	Minimum: 840 x 632 x 585 mm Maximum: 1245 x 887 x 864 mm	Minimum: 840 x 681 x 1135 mm Maximum: 1245 x 994 x 1416 mm	Minimum: 1020 x 681 x 1180 mm Maximum: 1403 x 1010 x 1416 mm
<b>Package dimensions (W x D x H)</b>	764 x 769 x 733 mm		856 x 760 x 1732 mm
<b>Printer Weight</b>	56.5 kg	77.9 kg	87.0 kg
<b>Package weight</b>	61.6 kg	96.6 kg	116.8 kg
<b>Operating environment</b>	Temperature: 15 to 30°C, Humidity: 30 to 70% RH		
<b>Storage</b>	Temperature: 0 to 35°C, Humidity: 10 to 90% RH		
<b>Acoustics</b>	Acoustic power emissions: 7.1 B(A); Acoustic pressure emissions: 54 dB(A)		
<b>Power</b>	Requirements: Input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 6 A Consumption: 797 watts (printing), 83 watts (ready), 7 watts (sleep), 0.07 watts (manual-off), 1.53 (auto-off/wake on LAN), 0.07 (auto-off/manual-on). Typical Electricity Consumption (TEC): 5.687 kWh/Week. Power supply type: Built-in power supply		
<b>Certifications</b>	CISPR 22:2008/EN 55022:2010 (Class A), EN 61000-3-2 :2006 +A1:2009 +A2:2009, EN 61000-3-3 :2008, EN 55024:2010, FCC Title 47 CFR, ICES-003, EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries		
<b>Warranty</b>	One-year, onsite warranty. Warranty may vary by country as required by law. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region.		

## Footnotes

<sup>1</sup> Fax functionality not available on the HP Color LaserJet Enterprise MFP M680dn.; <sup>2</sup> Local printing requires mobile device and printer to be on the same wireless network or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Wireless operations are compatible with 2.4 GHz operations only. Remote printing requires an Internet connection to an HP web-connected printer. App or software and HP ePrint account registration may also be required. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. See [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting) for more details. Mopria-certified devices adhere to a common standard that enables easy mobile printing with little or no setup.; <sup>3</sup> Keyboard is available on the HP Color LaserJet Enterprise MFP M680z only.; <sup>4</sup> Scanning to SharePoint and/or the cloud requires an Internet connection to the printer. Services may require registration. Availability varies by country, language, and agreements. For details, see [hp.com/go/mfp](http://hp.com/go/mfp).; <sup>5</sup> Mobile device needs to be connected directly to the WiFi network of a wireless-direct-capable MFP prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP. For details, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting). Wireless direct printing requires purchase of optional module.; <sup>6</sup> Touch-to-print capability requires purchase of optional module. Mobile device must support near-field communications-enabled printing. For a list of supported devices, see [hp.com/go/businessmobileprinting](http://hp.com/go/businessmobileprinting).; <sup>7</sup> Supports OS X® Lion, OS X Mountain Lion and the following devices running iOS 4.2 or later: iPad® (all models), iPhone® (3GS or later), and iPod touch® (third generation or later). Works with HP's AirPrint-enabled printers and requires the printer be connected to the same network as your OS X or iOS device. Wireless performance is dependent on physical environment and distance from the access point. OS X, iPad, iPhone, and iPod touch are trademarks of Apple® Inc., registered in the United States and other countries. AirPrint™ and the AirPrint logo are trademarks of Apple Inc.; <sup>8</sup> HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin).; <sup>9</sup> Maximum paper capacity of 3100-sheets requires purchase of additional paper trays for the HP LaserJet Enterprise M680dn.; <sup>10</sup> HP EveryPage is available on the HP Color LaserJet Enterprise MFP M680z only.; <sup>11</sup> Three-bin stapling mailbox requires additional purchase for the HP Color LaserJet Enterprise MFP M680dn and HP Color LaserJet Enterprise MFP M680f.



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