

HP Color LaserJet Enterprise MFP M680 series

Technical specifications	HP Color LaserJet Enterprise MFP M680dn (CZ248A)	HP Color LaserJet Enterprise MFP M680f (CZ249A)	HP Color LaserJet Enterprise Flow MFP M680z (CZ250A)
AIO functions	Print, Copy, Scan, Digital Send, Scan-to-Easy Access USB AIO multitasking supported: Yes	Print, Copy, Scan, Fax, Digital Send, Scan-to-Easy Access USB AIO multitasking supported: Yes	Print, Copy, Scan, Fax, Digital Send, Scan-to-Easy Access USB, Scan-to-SharePoint, Scan-to-Flow CM (where applicable). AIO multitasking supported: Yes
Duplex print options	Automatic		
Print speed¹	Normal, letter: Up to 45 ppm black and color; Normal, A4: Up to 42 ppm black and color		
First page out²	Black (ready): As fast as 10.5 sec; Color (ready): As fast as 10.5 sec		
Print resolution	Black (best): Up to 1200 x 1200 dpi; Color (best): Up to 1200 x 1200 dpi		
Print resolution technologies	HP ImageREt 4800, 600 x 600 dpi, HP ProRes 1200 (1200 x 1200 dpi), PANTONE® Calibrated		
Print technology	Laser		
Print cartridges number	4 (1 each black, cyan, magenta, yellow)		
Mobile printing capability³	HP ePrint, Apple AirPrint™, Mobile Apps, optional Touch-to-print, optional Wireless Direct printing		
Printer smart software features	HP ePrint, Apple AirPrint™, Open Extensibility Platform, FutureSmart Firmware, Schedule On and Off technology, Instant-on Technology, HP Auto-On/Auto-Off Technology, HP Easy Color, PANTONE® Calibrated, digital send print preview, duplex, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs		HP ePrint, Apple AirPrint™, Open Extensibility Platform, FutureSmart Firmware, Schedule On and Off technology, Instant-on Technology, HP Auto-On/Auto-Off Technology, HP Easy Color, Pantone® Calibrated, digital send print preview, duplex, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, job separator, staple
Standard print languages	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, PDF and AirPrint (URF and PDF)		
Printer management	HP Web Jetadmin; HP Utility (Mac)		
Scan type/technology	Type: Flatbed, ADF; Technology: Charge Coupled Device (CCD)		
Scan speed	Normal, letter: Up to 60 ppm (b&w), up to 45 ppm (color); Duplex: Up to 60 ppm (b&w), up to 45 ppm (color)		Normal, letter: Up to 65 ppm (b&w), up to 63 ppm (color); Duplex: Up to 89 ppm (b&w), up to 66 ppm (color)
Scan resolution	Enhanced: Up to 600 dpi; Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi		
Scan file format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A		
Scan input modes	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXF) applications		
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; Auto 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; Auto tone; Auto job notification; Blank page suppression; Auto orientation; Auto page crop; HP Quick Sets
Digital sending standard features	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		
Scan size maximum	Flatbed: 8.5 x 14 in (216 x 356 mm)		
Bit depth/Grayscale levels	Bit Depth: 24-bit; Grayscale: 256		
Copy speed⁴	Normal, letter: Up to 45 cpm black and color; Normal, A4: Up to 42 cpm black and color		
Copy resolution	Black (text and graphics): Up to 600 x 600 dpi (Flatbed), 300 x 600 dpi (ADF); Color (text and graphics): Up to 600 x 600 dpi (Flatbed), 300 x 600 dpi (ADF)		
Max. no. of copies	Up to 9,999 copies		
Copier resize	25 to 400%		
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		
Fax speed	Not applicable		13 sec per page
Fax resolution	Not applicable	Black (best): Up to 300 x 300 dpi; Black (standard): 100 x 100 dpi; Black and White (fine): 200 x 200 dpi, 256 levels of gray; Black and White (superfine): 300 x 300 dpi, 256 levels of gray	
Fax smart software features	Not applicable		Stored faxes; fax archiving; fax forwarding; scale-to-fit; fax address book; LAN/Internet fax; fax number confirmation
Fax features	Not applicable	Auto fax reduction supported: Yes; Auto-Redialing: Yes; Fax delayed sending: No; Distinctive ring detection supported: No; Fax forwarding supported: Yes; Junk barrier supported: Yes, as blocked fax numbers; Maximum speed dialing numbers: Up to 100 (each can contain 100 numbers); PC interface supported: Yes; PC fax send only	
Standard connectivity	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 Fax; 1 FIH
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); 802.11b/g/n wireless networking (optional). Please note: HP Jetdirect 2800W (J8029A) and HP Jetdirect 2700W (J8026A) accessories cannot be installed at the same time.		
Network ready	Standard (built-in Gigabit Ethernet); Included Touch-to-print and Wireless Direct		
Wireless capability	Optional, enabled with purchase of HP Jetdirect 2700W USB Wireless Print Server J8026A or HP Jetdirect ew2500 802.11b/g Wireless Print Server J8021A		
Memory	2 GB DDR2		
Processor speed	800 MHz		
Duty cycle (monthly)⁵	Up to 120,000 pages; Recommended monthly page volume: 3,000 to 17,000 pages		
Paper handling			
Input	100-sheet multipurpose tray, 500-sheet input tray 2, 100-sheet automatic document feeder (ADF), automatic two-sided printing	100-sheet multipurpose tray, 500-sheet input tray 2, 500-sheet input tray 3, 100-sheet Automatic Document Feeder (ADF), automatic two-sided printing	100-sheet multipurpose tray, 500-sheet input trays 2, 3, and 4, 1,500-sheet input tray 5, 100-sheet Automatic Document Feeder (ADF), automatic two-sided printing
Output	500-sheet output bin		
Media type	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 bond (plain), 28 to 58 lb bond (glossy), 16 to 24 lb (envelopes); Trays 2, 3, 4, 5: 16 to 32 lb bond (plain), 28 to 58 lb bond (glossy)		
Media sizes custom	Tray 1: 4.0 x 6.0 to 8.5 x 14 in; Tray 2: 5.8 x 8.3 to 8.5 x 14 in	Tray 1: 4.0 x 6.0 to 8.5 x 14 in; Tray 2, 3: 5.8 x 8.3 to 8.5 x 14 in	Tray 1: 4.0 x 6.0 to 8.5 x 14 in; Tray 2, 3, 4: 5.8 x 8.3 to 8.5 x 14 in; Tray 5: No custom sizes
ADF capacity	Standard, 100 sheets		
Dimensions (W x D x H)	31.1 x 25 x 23 in; Max: 45.8 x 34.9 x 33.5 in	33 x 26.8 x 44.7 in; Max: 49 x 39.1 x 55.8 in	40.2 x 26.8 x 46.5 in; Max: 55.3 x 39.8 x 55.8 in
Weight	124.3 lb	171.4 lb	191.3 lb
What's in the box⁷	HP Color LaserJet Multifunction Printer; 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 duplexer (built-in); Encrypted Hard Drive	HP Color LaserJet Multifunction Printer; 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 duplexer (built-in); Encrypted Hard Drive; 500 capacity sheet paper input w/ cabinet; Fax; Fax cable	HP Color LaserJet Multifunction Printer; 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 duplexer (built-in); Encrypted Hard Drive; 3,100 high capacity sheet paper input w/ stand; Fax; Fax cable; 900-sheet 3-bin stapling mailbox
Warranty features	One-year, onsite warranty		
Energy efficiency compliance	ENERGY STAR® qualified; Blue Angel; CEEC; EPEAT® Silver		
Compatible operating systems	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), OS X 10.6 Snow Leopard, OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks. For the latest operating system support see: AirPrint support.apple.com/kb/ht4356 , Android Citrix and Windows® Terminal Services (hp.com/go/eprintsoftware), Linux (hplip.net), Novell (novell.com/iprint), SAP device types hp.com/go/sap/drivers , SAP Print hp.com/go/sap/print , UNIX hp.com/go/unix , UNIX JetDirect hp.com/go/jetdirectunix_software , Unix Model Scripts		
Compatible network operating Systems	HP-UX 10.20, 11.x, 11.1, IBM AIX 3.2.5 or higher, OS X 10.6 Snow Leopard, OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, Windows 2000, PE-IX, Citrix MetaFrame Server, Novell 5.1 or higher, Red Hat Linux 7.x or higher, Solaris 2.5 or higher (SPARC systems only), SuSe Linux 8.x or higher, Windows 2003 SP2+ 64-bit, Windows Server 2003 SP2+, Windows Terminal Services, Windows Vista (32-bit and 64-bit), Windows Vista Ready, Windows XP SP3+ 64-bit, Windows XP SP3+ Home, Windows XP SP3+ Professional, Windows XP SP3+ Professional and Windows Vista, Windows 7 SP1 or greater (32-bit and 64-bit), Windows 8 (32-bit and 64-bit), Windows Server 2008 (32-bit and 64-bit), Windows Server 2008 R2 (64-bit), Windows Server 2012 (64-bit), (For Microsoft IPv6 compatibility use Windows 2003, Windows XP Home, Windows XP Professional and Windows Vista)		
Minimum system requirements	PC: 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 microsoft.com ; Mac: OS X 10.6 Snow Leopard; OS X 10.7 Lion; OS X 10.8 Mountain Lion; OS X 10.9 Mavericks; CD-ROM or DVD drive, or Internet connection; Dedicated universal serial bus (USB 1.1 or 2.0), or network connection; 1 GB of available hard-disk space		
Environmental ranges	Operating temperature range: 59 to 86° F (15 to 30° C); Recommended operating temperature: 62.6 to 77° F (17 to 25° C); Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH		
Acoustic⁶	Acoustic power emissions: 7.1 B(A); Acoustic pressure emissions: 56 dB(A)		
Power	Power supply type: Built-in power supply; Power supply required: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 2 Hz), 12 A; 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 6 A (Not dual voltage, power supply varies by part number with # Option code identifier); Power 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)		
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 hp.com/go/laserjetfonts		
Display	8" (20.3 cm) capacitive-touchscreen, SVGA (800 x 600 resolution), gesture support		8" (20.3 cm) capacitive-touchscreen, SVGA (800 x 600 resolution), gesture support and extended keyboard
Software included	Windows: HP Installer/Uninstaller, HP PCL 6 print 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		
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; Security management: Compatible with HP Imaging and Printing Security Center		

