



HP Sales Central

HP Color LaserJet Enterprise MFP M681dh (J8A10A)

Active as of 1/05/2017



Overview

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

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.

High speed performance meets energy efficiency

Scanning is now faster than ever; duplex scan speeds up to 120 ipm. Scan to SharePoint and more.

This MFP wakes up fast and prints your first page faster—in as quickly as 8.9 seconds.⁷

This MFP uses exceptionally low amounts of energy thanks to its innovative design and toner technology.⁹



Simplify security

Rest assured that your fleet is covered, with award-winning HP JetAdvantage Security Manager.¹²



Take the guesswork out of fleet management

Centrally monitor and control your printers with HP Web Jetadmin.¹³

Replaces

Status	Product Name	Discontinued	SKU
Discontinued	HP Color LaserJet Enterprise MFP M680dn	11/08/2018	CZ248A

Specifications

Functions

Print, copy, scan

Multitasking supported

Yes

Print speed black (ISO, A4)

Up to 47 ppm¹¹

Print Speed Color (ISO)

Up to 47 ppm¹¹

Print speed duplex (A4)

Up to 47 ppm

Print speed duplex (A4)

Up to 47 ppm

First page out black (A4, ready)

As fast as 6.5 sec

First page out color (A4, ready)

As fast as 6.5 sec

Duty cycle (monthly, A4)

Up to 100,000 pages

(HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.)

Recommended monthly page volume

2000 to 14,000

(HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.)

Number of users

10-30 Users

Print technology

Laser

Print quality black (best)

Up to 1200 x 1200 dpi

Print quality color (best)

Up to 1200 x 1200 dpi

Processor speed

1.2 GHz

Print languages

HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)

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)

Print colors

Yes

Number of print cartridges

4 (1 each black, cyan, magenta, yellow)

Automatic paper sensor

Yes

Mac compatible

Yes

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

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

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>

HP ePrint capability

Yes

Mobile printing capability

HP ePrint; Apple AirPrint™; Mopria™-certified; Google Cloud Print 2.0

Wireless capability

Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A

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

Connectivity, optional

HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A

Network ready

Standard (built-in Gigabit Ethernet)

Minimum System Requirements

2 GB available hard disk space; OS hardware requirements see microsoft.com

Minimum System Requirements for Macintosh

1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info

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 macOS 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 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)

(Full solution software available only for Windows 7 and newer, UPD software available only for Windows 7 and newer, HP Software for Mac and Windows is no longer included on the CD, but can be downloaded from 123.hp.com, Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only with a reduced feature set, Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS)

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/iprint, Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers www.novell.com/iprint, 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

Memory

1.5 GB (printer); 512 MB (scanner)

Maximum Memory

4 GB

Memory Slots

1 slot, 144-pin, DDR3 DIMM

Internal Storage

Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)

Paper handling input, standard

100-sheet multi-purpose tray, 550-sheet input tray 2, 150-sheet automatic document feeder

Paper handling input, optional

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

Input capacity

Up to 650 sheets

Maximum input capacity (sheets)

Up to 3200 sheets

Paper handling output, standard

500-sheet output tray, two-sided printing

Output capacity

Up to 500 sheets

Maximum output capacity (sheets)

Up to 500 sheets

Finished output handling

Sheetfed

Duplex printing

Automatic (standard)

Paper trays, standard

2

Paper trays, maximum

5

Envelope Feeder

No

Maximum Input Capacity (envelopes)

MP Tray: Up to 10 envelopes (or 10mm stack height)

Media sizes supported

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

Media sizes, custom

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

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, supported

Tray 1: 60-220 g/m² (plain), 120 to 220 g/m² (glossy); Tray 2: 60 to 163 g/m² (plain), 120 to 220 g/m² (glossy)

Scanner type

Flatbed, ADF

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)

Scan resolution, optical

Up to 600 dpi

Bit depth

24-bit

Scan size, maximum

216 x 356 mm

Scan size (ADF), maximum

215.9 x 863.6 mm

Automatic document feeder capacity

Standard, 150 sheets

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

File Format Supported

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)

Scan speed (normal, A4)

Up to 69 ppm (b&w), up to 69 ppm (color) ¹⁸

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

Copy speed (black, normal quality, A4)

Up to 47 cpm

Copy speed (color, normal quality, A4)

Up to 47 cpm

Copy resolution (black text)

Up to 600 x 600 dpi

Copy resolution (black graphics)

Up to 600 x 600 dpi

Copy resolution (color text and graphics)

Up to 600 x 600 dpi

Copies, maximum

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)

Faxing

No

Power

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 supply type

Built in 115V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)

Power consumption

900 watts (printing/copying), 47 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto Off/Manual On), 0.1 (Manual Off) ⁵

Typical electricity consumption (TEC) number

2.68 kWh/Week (Blue Angel); 0.672 kWh/Week (Energy Star 3.0)

Energy efficiency

ENERGY STAR® qualified; CECP; EPEAT® Silver

Energy star certified

Yes

Operating temperature range

15 to 30°C

Recommended operating humidity range

30 to 70% RH

Minimum dimensions (W x D x H)

510 x 555 x 658 mm

Maximum dimensions (W x D x H)

963 x 770 x 910 mm

Weight

42.3 kg

UPC number

(AB0) 889894729118; (AB2) 889894729125; (ABJ) 889894729132; (ABT) 889894729170; (ABY) 889894729187; (AC4) 889894829740; (AC8) 889894829757; (ACJ) 889894729149; (ACQ) 889894729194; (AKV) 190780966556; (B13) 889894729200; (B19) 889894829764; (BAZ) 889894829771; (BBU) 889894729156; (BGJ) 889894829788; (BGM) 889894729163

Package dimensions (W x D x H)

714 x 677 x 816 mm

Package weight

49.5 kg

Quantity per pallet

2

Pallet dimensions (W x D x H)

756 x 680 x 1782 mm

Pallet weight

108 kg

Country of origin

Made in Mexico (NA); Made in Netherlands (EMEA); Made in China (AP)

What's in the box

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

Cable included

No, please purchase USB cable separately

Replacement cartridges

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

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](https://123.hp.com) or OS App Source for printer software)
Online user manuals

Warranty

1 Year Limited Warranty (Next Business Day On-Site)

Overview

- 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
- 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
- 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.

Specifications

- 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.
- 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.
- 18 Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Supplies

HP Laser Toner Cartridges and Kits

HP Color Laser Toner Printer Cartridges

Active	HP 655A Black Original LaserJet Toner Cartridge	CF450A
Active	HP 655A Cyan Original LaserJet Toner Cartridge	CF451A
Active	HP 655A Magenta Original LaserJet Toner Cartridge	CF453A
Active	HP 655A Yellow Original LaserJet Toner Cartridge	CF452A
Active	HP 657X High Yield Black Original LaserJet Toner Cartridge	CF470X
Active	HP 657X High Yield Cyan Original LaserJet Toner Cartridge	CF471X
Active	HP 657X High Yield Magenta Original LaserJet Toner Cartridge	CF473X
Active	HP 657X High Yield Yellow Original LaserJet Toner Cartridge	CF472X

HP Laser Printer Supply Kits

Active	HP 300 ADF Roller Replacement Kit	J8J95A
Active	HP LaserJet 220V Fuser Kit	P1B92A
Active	HP LaserJet Image Transfer Belt Kit	P1B93A
Active	HP LaserJet Toner Collection Unit	P1B94A

HP Paper Designed for Laser Printers

HP Laser Everyday Paper

Active	HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/A3/297 x 420 mm	7MV81A
Active	HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/A4/210 x 297 mm	7MV82A
Active	HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/Letter 8.5 x 11 in	4WN08A
Active	HP Everyday Laser Glossy FSC Paper 120 gsm-150 sht/Tabloid/11 x 17 in	4WN07A

HP Professional Laser Paper

Active	HP Professional Glossy Laser Paper 120 gsm-250 sht/A3/297 x 420 mm	CG969A
Active	HP Professional Glossy Laser Paper 150 gsm-150 sht/A4/210 x 297 mm	CG965A
Active	HP Professional Laser Glossy FSC Paper 200 gsm-150 sht/A4/210 x 297 mm	7MV83A
Active	HP Professional Laser Glossy FSC Paper 200 gsm-150 sht/Letter/8.5 x 11 in	4WN10A
Active	HP Professional Laser Matte FSC Paper 200 gsm-150 sht/A4/210 x 297 mm	7MV80A
Active	HP Professional Laser Matte FSC Paper 200 gsm-150 sht/Letter/8.5 x 11 in	4WN05A

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