HP Color LaserJet Enterprise MFP M681/M682 series



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

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.



HP Color LaserJet Enterprise MFP M681dh



HP Color LaserJet Enterprise MFP



HP Color LaserJet Enterprise Flow MFP M681z

The world's most secure printing

- 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 9 seconds.
- 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.

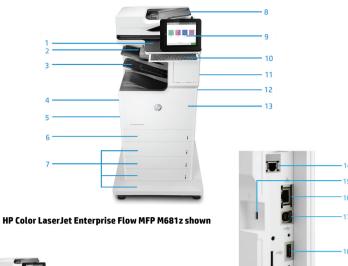
Product walkaround

- 1. Hardware Integration Pocket¹ 2. Easy-access USB port²
- 3. 1,000-sheet 3-bin stapler/stacker with offset job printing (Flow 7 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





550-sheet Paper Feeder (P1B09A)



550-sheet Paper Feeder with Stand and Cabinet



3x550-sheet Paper Feeder and Stand (P1B11A)



1x550-sheet/2,000sheet HCI Feeder and Stand (P1B12A)

Series at a glance









Model

	HP Color LaserJet Enterprise MFP M681dh	HP Color LaserJet Enterprise MFP M681f	HP Color LaserJet Enterprise Flow MFP M681z	HP Color LaserJet Enterprise Flow MFP M682z
Product number	J8A10A	J8A11A	J8A13A	J8A17A
Print speeds (A4) ⁶	Up to 47 pages per minute (ppm)	Up to 47 ppm	Up to 47 ppm	Up to 56 ppm
Fax capabilities	Optional	Yes	Yes	Yes
100-sheet tray 1, 550-sheet tray 2	Yes	Yes	Yes	Yes
550-sheet paper feeder	Optional (up to two) ⁷	Not available	Not available	Not available
550-sheet paper feeder with stand and cabinet	Optional ⁷	Yes	Not available	Not available
3x550-sheet paper feeder and stand	Optional ⁷	Not available	Yes	Not available
1x550-sheet/2,000-sheet HCI feeder and stand	Optional ⁷	Not available	Not available	Yes
3-bin stapler/stacker with offset job printing	Not available	Not available	Yes	Yes
Advanced workflow features including pull-out keyboard	Not available	Not available	Yes	Yes
Direct mobile printing	Optional wireless direct ⁸ /NFC ⁹	Optional wireless direct ⁸ /NFC ⁹	Optional wireless direct ⁸ /NFC ⁹	Embedded Wi-Fi Direct®8/Bluetooth® Low Energy ¹⁰
Wireless networking				Energy
	Optional ¹¹	Optional ¹¹	Optional ¹¹	Optional ¹¹

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs.

Choose from:

Optimized Care (optimum performance and stability):

4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Standard Care (high level of uptime):

Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Basic Care (minimum recommended support):

Next Business Day Onsite Support

4 hr Onsite Support:

Onsite support within four hours after a service call received within the coverage window

Next Business Day Onsite Support:

Onsite service the next business day after the service call is received

Maintenance Kit Replacement Service:

Onsite replacement of your printer's maintenance kit including parts, materials, and labor

Installation with Network Configuration Service:

Assembly, network configuration, and basic administrator familiarization For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit hp.com/go/printservices



















Top Features

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

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

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

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

Product

J8A10A	HP Color LaserJet Enterprise MFP M681dh
J8A11A	HP Color LaserJet Enterprise MFP M681f
J8A13A	HP Color LaserJet Enterprise Flow MFP M681z
J8A17A	HP Color LaserJet Enterprise Flow MFP M682z

Accessories

B5L28A	HP Internal USB Ports
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

Supplies CF450A

CF451A	HP 655A Cyan Original LaserJet Toner Cartridge (T0,500 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)

HP LaserJet Toner Collection Unit (vield 100K)

HP 300 ADF Roller Replacement Kit (yield 150K)

HP 655A Black Original LaserJet Toner Cartridge (12,500 pages)

HP Care Packs

P1R944

J8J95A

U9NP3E	HP 3 year NBD Service w/Defective Media Retention for Color LaserJet Enterprise MFP M68x
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

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to hp.com/go/cpc

Paper

Contact HP via phone: Asia: 65 6253 8500

Solutions

HP Web Jetadmin: hp.com/go/wja HP Universal Print Driver: hp.com/go/upd

 $\hbox{HP Imaging and Printing Security Center: hp.com/go/ipsc}$

HP Color LaserJet Enterprise MFP M681 series

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March 1996 Service And Service	Model Product number		plor LaserJet Enterprise MFP M681f	J8A13A HP Color LaserJet Enterprise Flow MFP M681z
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Mich Strate		Automatic (standard)		
Section Sect		Black (normal, A4): Up to 47 ppm; Black (normal, letter): Up to 50 ppm; Black		
Mode International Content Mode International Content Mode International Content Mode International Content	irst page out ¹³	Black (A4, ready): As fast as 6.5 sec; Black (A4, sleep): As fast as 9 sec Black	(A4, ready): As fast as 6.5 sec; Black (A4, sleep): As fast as 9 sec	
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Mac: 1.3 GB available hard drive space; Internet, OS hardware requirements see Apple.com for more info identity 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/firevall with Certificate; Pre-Shared Key; and Kerberos authentication, Supports WM-10 iPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SMMP-3; HTTPS; Certificates; Access Control List; Data: Storage Encrypton; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Frase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration poor only known good code (DLLs, EXEs); Security management: Compatible with HP JetAdvantage Security Manage, Device Security Syslog Messages processed and accessable in Arcsight and Splunk SIEMS onts and Typefaces 105 internal True Fipe fortor LQ. 29 internal scalable from Is in PP OSSErostropt level 3 emulation (Euro symbol bull-In); I trained Unicide Fortor (Galbiri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/gollaserjetfonts 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 memu) Isplay 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 memu) Solver Power supply type: Built in 115V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier); Power supply required: input voltage: 100V to 127V nominal (+/-10%), 50-60Hz nominal	•	SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding R1 Pro, etc.)	. 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, W T OS for Tablets), Windows Vista all 32bit editions (Home Basic, Pre	indows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windo
Pre-Shared Key; and Kerberos authentication; Supports WIA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SMMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PP R Email (uses FIPS 140 Audisated crystographic libraries from Microsoft); Secure Frace; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security viole sold; USE port to disablement; handware integration poc 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 - load only known good code (DLLs, EXEs,); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessable in Arcsight and Splumk SIEMs 105 Internal TrueType forts scalable in HP DCL, 92 Internal scalable fronts actable in HP DCL 92.2 microbal scalable and pDCLs extend to support to the post scalable and PDCLs extend to support to the Internal Windows Vista B Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP Laser Jet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts 8.0-in (2.0.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home memu); Estended Keyboard 8.0-in (2.0.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home memu); Estended Keyboard 8.0-in (2.0.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home memu); Estended Keyboard 8.0-in (2.0.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home memu); Estended Keyboard 8.0-in (2.0.3 cm) Color Graphics Display (CGD) with touc	Annimum system requirements			
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/gol/aserjetfonts 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 memu). 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 memu). Extended Keyboard 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 memu). 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 memu). Extended Keyboard 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 memu). Extended Keyboard 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 memu). Extended Keyboard 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 memu). Extended Keyboard 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 memu). Extended Keyboard 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 memu) and to the Home memu). The Home memus (Postable Minus (Postable Minus (Postabl	ecurity management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: (Psec/firewall with Certificate; Pre-Shared Key, and Kerberos authentication; Supports WIA-10 IPsec configuration Plug-in; 802.11X authentication (EAP-PEAP; EAP-TLS); SMMPv3; 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 pock 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		
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); Extended Keyboard Power supply type: Built in 115V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier); Power supply required: Input voltage: 100V to 127V nominal (+/-10%), 50-60Hz nominal (+/-3Hz), 6 x; Power consumption*: 900 waits (printing/copying), 47 waits (ready), 0.9 waits (sleep), 0.9 waits (Auto Off/Manual Off), 17 Manual Off); Typical Electricity Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption*: 8 kWh/Week (Ba: 2.68 kWh/Week) For the Consumption*: 900 waits (printing/copying), 47 waits (ready), 0.9 waits (sleep), 0.9 waits (Auto Off/Manual Off); Typical Electricity Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption of the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption of the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption of the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption of the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week; Ba: 2.68 kWh/Week For the Consumption number*: 6Es: 2.7 z kWh/Week; Ba: 2.68 kWh/Week;	onts and Typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP I	Postscript level 3 emulation (Euro symbol built-in); 1 internal Unico	de Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts
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) Power supply type: Built in 115V or 220 V Power Supply (not dual voltage, power supply waries by part number with option code identifier); Power supply required: Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 12 %; Input voltage: 220 V to 240V nominal, (+/-10%), 50 - 60Hz nominal (+/-3Hz), 6 %; Power consumption ⁵ : 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 numbers ⁶ : 5: 2.72 kWh/Week; Ba: 2.68 kWh/Week Oftware 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 05 App Source for printer software), Online user manuals coustics Accoustic Power Emissions: 6.6 B(A); Acoustic Power Emissions (ready): 4.6 B(A); Acoustic Pressure Emissions Bystander (active, printing): 52 dB(A); Acoustic Pressure Emissions Bystander (ready): 32 dB(A) Operating Temperature Range: 15 to 30°C; Recommended Operating Temperature: 17.5 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 EC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A1:2009 +A1:2010 +A1:2001 +A1:2011 +A2:2013 (EU); EN 60825-1:2014 (Idas 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC Co. (US/Canada); CAN/CSA C2.2 No. 60950-1-07 Amendment 2:2014; Other safety approvals as required by individual countries Upported network protocols Valoult-in networking solution: TCP/IE Pv4, IPv6, Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint [™] , HP ePrint, F	ontrol panel		able angle) display; illuminated Home button (for quick return to	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotatii (adjustable angle) display; illuminated Home button (for quick return t the Home menu); Extended Keyboard
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 Accoustic Power Emissions: 6.6 B(A); Acoustic Power Emissions (ready): 4.6 B(A); Acoustic Pressure Emissions Bystander (active, printing): 52 dB(A); Acoustic Pressure Emissions Bystander (ready): 32 dB(A) Operating Temperature Range: 15 to 30°C; Recommended Operating Temperature: 17.5 to 25°C; Non-operating Humidity Range: 10 to 90% RH; Operating Humidity Range: 30 to 70% RH EC 60950-1:2005 +A1:2009 +A2:2013 (international); EN60950-1:2006 +A1:2009 +A1:2010 +A12:2011 (EU); EN 60825-1:2014 / IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC Coc (US/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Other safety approvals as required by individual countries Upported network protocols Wa bull-ti- networking solution: TCP/IR IPv4, IPv6, Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, FTP Print, FTP Print, FTP Print, FTP Print, FTP Print, FTP FTP THTPT, Tenet, TF1		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) Power supply type: Built in 115V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier); Power supply required: Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 12 A; Input voltage: 220 V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/-3Hz), 6 A; Power consumption 9: 900 watts (printing/copying), 47 watts (ready), 0.9 watts (sleep), 0.9 watts (Auto		
Accoustic Power Emissions: 6.6 B(A); Acoustic Power Emissions (ready): 4.6 B(A); Acoustic Pressure Emissions Bystander (active, printing): 52 dB(A); Acoustic Pressure Emissions Bystander (ready): 32 dB(A) Operating Temperature Range: 15 to 30°C; Recommended Operating Temperature: 17.5 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 EC 60950-1:2005 +A1:2009 +A2:2013 (international); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2014 (Iclass 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/CUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Other safety approvals as required by individual countries upported network protocols Wa built-in networking solution: TCP/IR IPv4, IPv6, Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple Air Print.™, HP ePrint, FTP Print, Google Cloud Print; Discovery: Brijour, Web Services Discovery; IP Config: IPv4 (Boott) PhCP, Autolp Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/TTPT, Telnet, TF1	oftware included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Sof		to 123.HP.com or OS App Source for printer software), Online user
Operating Humidity Range: 30 to 70% RH EC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A1:2009 +A1:2010 +A1:2010 +A12:2013 (EU); EN 60825-1:2014 / IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/CUL Listed and UC Co (US/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Other safety approvals as required by individual countries **Wabulit-in networking solution: TCP/IR [Pv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: **Bonjour, Web Services Discovery; IP Config: IPv4 (Boott) DHCP, Autolp Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TF1	coustics		B(A); Acoustic Pressure Emissions Bystander (active, printing):	52 dB(A); Acoustic Pressure Emissions Bystander (ready): 32 dB(A)
62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Other safety approvals as required by individual countries upported network protocols Wia built-in networking solution: TCP/IR IPv4, IPv4, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: Boriour, Web Services Discovery, IP Config: IPv4 (Boot) DHCP, Autoli P, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TF1		Operating Temperature Range: 15 to 30°C; Recommended Operating Temperature: 17.5 to 25°C; Non-operating Humidity Range: 10 to 90% RH; Operating Humidity Range: 10 to 80% RH; Recommended		
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, TF1	afety approvals and requirements	EC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2014 / IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Other safety		
and the second of the second o	upported network protocols	Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TF	FTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Sta	

Technical specifications

Functions	Print, copy, scan, fax	
Print Duplex print options	Automatic (standard)	
Print speed ¹⁰	Black (A4, normal) Up to 56 ppm; Black (letter, normal) Up to 60 ppm; Black (A5, landscape) Up to 74 ppm; Black (A4, duplex) Up to 56 ppm; Black (letter, duplex) Up to 60 ppm; Black (B4, duplex) Up to 60 ppm; Color (B4, Duplex) Up to 60 ppm; Color (B4, Duplex) Up to 60 ppm; Color (B4, Duplex) Up to 56 ppm; Color (B4, Duplex) Up to 56 ppm; Color (B4, Duplex) Up to 60 ppm; Color (B4, Duplex) Up	
- 12	Duplex) Up to 60 ppm Black (A4, ready) As fast as 5.8 sec; Black (A4, sleep) As fast as 12.6 sec	
First page out ¹²	Colour (A4, ready) As fast as 5.8 sec; Colour (A4, sleep) As fast as 12.6 sec	
Print resolution	Black (best) Up to 1200 x 1200 dpi; Black (normal) Up to 600 x 600 dpi; Black (fine lines) Up to 1200 x 1200 dpi Color (best) Up to 1200 x 1200 dpi; Color (normal) Up to 600 x 600 dpi; Color (fine lines) Up to 1200 x 1200 dpi	
Print technology Print resolution technology	Laser HP ImageRet 3600; 600 x 600 dp; HP ProRes 1200 (1200 x 1200 dpi); Pantone@ Calibrated	
Print resolution technology Print cartridges number	4 (1 each black, cyan, magenta, yellow)	
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7), URF (AirPrint)	
Printer 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	
Scan		
Scan technology	Type Flatbed, ADF; Technology Charge Coupled Device (CCD)	
Scan speed ¹⁸	Normal (A4) Up to 83 ppm/167 ipm (b&w), up to 83 ppm/167 ipm (color) Enhanced Up to 600 dpi; Nardware Up to 600 x 600 dpi; Optical Up to 600 dpi	
Scan resolution Scan size	ADF 215.9 x 863.6 mm Flatbed 220 x 365 mm	
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	
Scan file format	PDF, JPG, TIF, MTIF ¹⁹	
Сору	Black (A4, normal) Up to 56 cpm; Black (letter, normal) Up to 60 cpm; Color (A4, normal) Up to 56 cpm; Color (letter, normal) Up to 60 cpm; Black Duplex (A4)	
Copy speed ¹⁴	Up to 56 cpm; Black (letter, duplex) Up to 60 cpm; Color (A4, Duplex) Up to 56 cpm; Color (letter, duplex) Up to 60 cpm	
First copy out	Black (A4) As fast as 6.0 sec; Colour (A4) As fast as 6.5 sec Black (A4, sleep) As fast as 16.9 sec; Colour (A4, sleep) As fast as 16.9 sec	
Copy resolution	Black (text and graphics) Up to 600 x 600 dpi; Color (text and graphics) Up to 600 x 600 dpi	
Max. number of copies	Up to 9999	
Copier settings	Two-sided copying, scalability, image adjustments (darkness, contrast, background cleanup, sharpness), N-up, N or Z-ordering, content orientation, collation, booklet, job build, edge-to-edge, job storage, ID Copy, Book Copy, A-to-B Copy (different media sizes)	
Fax speed 17	Black (best) Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Black (standard) 203 x 98 dpi; Black and white (fine) 203 x 196 dpi; Black and white (superfine) 203 x 392 dpi or 300 x 300; Black photo grayscale 300 x 300 dpi (400 x 400 dpi for received faxes only)	
Fax resolution	Up to 300 x 300 dpi (400 x 400 dpi for received faxes only)	
Fax features	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; Maximum speed dialing numbers Up to 1000 numbers (each with 210 destinations); PC interface supported Yes; Fax polling supported Yes; fool to receive only)	
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	
Connectivity	A IF C	
Standard connectivity	1 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket; 1 Fax; 1 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy	
Mobile printing capability Network ready	HP ePrint; Apple AirPrint ¹⁰ ; Mopria ¹⁰ —certified; Wireless Direct Printing; Bluetooth Low Energy; Google Cloud Print 2.0 Standard (built-in Gigabit Ethernet); Included Wi-Fi Direct and Bluetooth low energy	
Wireless capability	Yes, Built-in Wi-Fi Direct, Bluetooth low energy (BLE); Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A	
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 (standard). Yes	
HP ePrint capability Memory	Standard 1.5 GB (printer); 1 GB (scanner); Maximum 3 GB	
Processor speed	1.2 GHz	
Duty cycle (monthly)	Up to 120,000 pages; Recommended monthly page volume: 2000 to 17,000	
Paper handling Input	100-sheet multi-purpose tray, 550-sheet input trays 2, 3, 2,000-sheet high capacity input tray 4, 150-sheet automatic document feeder;	
Output	500-sheet output tray, 500-sheet output stapler stacker, two-sided printing	
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: 60-220 g/m² (plain), 120 to 220 g/m² (glossy); Tray 2, 3: 60 to 163 g/m² (plain), 120 to 220 g/m² (glossy); Tray 4: 60-163 g/m² (plain)	
Media sizes custom	Tray 1: 76 x 127 to 216 x 356 mm; Trays 2, 3: 101.6 x 148 to 216 x 356 mm; Tray 4: custom sizes not supported in this tray	
Dimensions (W x D x H)	657 x 657 x 1270 mm 76.3 ka	
Weight ³	HP Color LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~12,500 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges	
What's in the box ²	(~10,500 yield each) (toner cartridges installed); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord	
Warranty features	1 Year Limited Warranty (Next Business Day On-Site)	
Systems 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, UMIX, Windows OI oil 31.2 * 6.4 6-the dictions (excluding RT OS for Tablets), Windows (7.8, 28.6 4-bit editions, Windows (8/1, 31.2) * 8.6 4-bit editions (excluding RT OS for Tablets), Windows (7.8, 28.6 4-bit editions), Windows (7.8	
Minimum system requirements	PC 2 GB available hard disk space; OS hardware requirements see microsoft.com Mac 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info	
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 Laser Jet Fonts and	
Control panel	IPDS Emulation available at http://www.hp.com/go/laserjetfonts 8.0-in (2.0.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard	
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	
Power	Power supply type Built in 115V or 220 V Power Supply font dual voltage, power supply varies by part number with option code identified; Power supply required input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), A play to voltage: 220 V to 240V nominal, (+/-10%), 50 - 60Hz nominal (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal, (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal, (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal, (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal, (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal, (+/-3Hz), A play to voltage: 100V to 120V nominal, (+/-10%), 50 - 60Hz nominal, (+/-3Hz), A play to voltage: 100V nominal,	
Coffee and the co	consumption (TEC) number: ES: 2.72 kWh/Week; BA: 2.68 kWh/Week 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	
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac US Welcome Screen (Directs users to 123.HP.com or 0.5 App Source for printer software), Online user manuals	
Acoustics	Acoustic power emissions: 6.8 B(A); Acoustic power emissions (ready) 4.6 B(A); Acoustic pressure emissions bystander (active, printing) 53 dB(A); Acoustic pressure emissions bystander (ready) 32 dB(A)	
Environmental ranges	Operating temperature range 15 to 30°C; Recommended operating temperature 17.5 to 25°C; Non-operating humidity range 10 to 90% RH; Operating	
Security management	humidity range 10 to 80% RH; Recommended Operating humidity range 30 to 70% RH Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge	
Security management	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; NSMPP2; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email Luses FIRS 1 dV alidated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock obj.; USB port datement; 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 accessable in Arcsight and Splunk SIEMs	
Safety approvals and requirements	EC 60950-1:2005 +A1:2009 +A2:2013 (International); EN 60950-1:2006 -A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2014 / IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2011) / IEC 62479:2010; EN 62311:2008 / IEC 623173:2007; Low Voltage Directive 2014/535/EV with CE Mark (Europe); GS Certificate (Germany, Europe); U.V.UL. Listed and U.C. oc (U.S/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Olther safted approvals as required by	
requirements	Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 Amendment 2:2014; Other safety approvals as required by individual countries	

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
- Some features require additional nurchase. A Future Smart service pack update may be required to activate security features. Learn more at his 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.
- 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 speed measured from ADF at default 300 dpi (black-and-white, grayscale, and color). 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.

Product Walkaround disclaimers

- 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.

- Standard and optional paper-handling accessories vary by model. See Series at a glance table for details.
 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 M681dh model; it is included on all other models
- 6 Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- All models come standard with the 100-sheet multipurpose tray 1 and 550-sheet tray 2. In addition, the M681dh 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/Z,000-sheet HCI feeder and stand).
- Wi-Fi Direct printing is embedded in the HP Color Laser Jet 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 Prouch-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.

Technical specification 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 typicallty 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
- 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/qo/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
- 16 High-Performance Secure Hard Disk (AES 256 hardware encryption or greater); Secure rease capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)

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

 12 Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.
- 13 Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
 14 Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
- 15 First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, excludes first set of test documents. For more information see
- http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application and document complexity.

 16 First Copy Out from Ready measured using ISO/IEC 29183, excludes first set of test documents. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system
- configuration, software application, driver, and document complexity.

 Measured after 15 min in sleep from Device Wake to Page In Bin. Exact speed varies depending on the system configuration, software application, document complexity and time in sleep.
- 18 Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software 19 Scan software not included in box. HP Scan and TWAIN driver available for download at http://hp.com/support

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