### Data sheet

# HP LaserJet Enterprise MFP M633 series



This HP LaserJet MFP with JetIntelligence combines performance, energy efficiency, and security.

This HP LaserJet MFP with JetIntelligence combines exceptional performance and energy efficiency with professional-quality documents right when you need them—all while protecting your network from attacks with the industry's deepest security.



HP LaserJet Enterprise MFP M633fh



HP LaserJet Enterprise Flow MFP M633z

### 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.
- Give workgroups what they need to succeed. Easily choose and deploy over 180 HP and third-party solutions.

### High-speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents nearly as fast as single-sided.
- This printer wakes up fast and prints your first page faster—in as quickly as 7.8 seconds.
- This MFP uses exceptionally low amounts of energy thanks to its innovative design and toner technology.<sup>5</sup>
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes A6 to legal.

### More. Pages, Performance, and Protection.6

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Original HP Toner cartridges with JetIntelligence deliver more pages per cartridge than predecessors.<sup>6</sup>
- 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. 7

### 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 grayscaleoptimized.
- Load up to 150 pages into the automatic document feeder for fast, unattended scanning.

<sup>&</sup>lt;sup>1</sup> 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 http://www.hp.com/go/PrintersThatProtect. For more information: http://www.hp.com/go/printersecurityclaims <sup>5</sup> HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/printersecurityclaims <sup>3</sup> 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, offware application, driver, and document complexity. <sup>4</sup> Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, and document complexity and time in sleep. <sup>5</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in energystar.gov versus the top three leading competitors as of 8/2015. Actual results may vary. For details see http://www.hp.com/go/lyclaims <sup>5</sup> More pages versus predecessor cartridges claim based on page-yield comparison of HP 37X High yield Black Original Laser let Toner Cartridges. For more information, see http://www.hp.com/go/learnaboutsupplies <sup>7</sup> HP 37X High Yield Black Original Laser let Toner Cartridges not included; please purchase separately. <sup>8</sup> 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.

# Product walkaround

- 1. Hardware Integration Pocket<sup>1</sup>
- 2. Easy-access USB port<sup>2</sup>
- 3. 1,000-sheet 3-bin stapler/stacker with job offset
- 4. Left door access to toner cartridges
- 5. Automatic two-sided printing
- 6. 550-sheet input tray 2
- 7. 1x550 and 2,000-sheet HCI feeder and stand
- 8. 150-sheet ADF with single-pass, two-sided scannir HP EveryPage<sup>5</sup>
- 9. 8.0-inch (20.3 cm) intuitive icon-based color touchs
- 10. HP High-Performance Secure Hard Disk
- 11. Pull-out keyboard<sup>5</sup>
- 12. Wi-Fi Direct printing<sup>6</sup>/ Bluetooth Low Energy<sup>8</sup>
- 13. Right door (access to print path)
- 14. 100-sheet multipurpose tray 1
- 15. Host USB port
- 16. Hi-speed USB 2.0 printing port
- 17. Slot for cable-type security lock
- 18. Gigabit Ethernet port
- 19. Fax port

# HP LaserJet Enterprise MFP M633z



Close-up of I/O ports

# Series at a glance





| Model  | HP LaserJet Enterprise MFP M633fh                       | HP LaserJet Enterprise Flow MFP M633z                                 |
|--|---|---|
| Part number  | J8J76A  | J8J78A  |
| Print speeds (letter/A4)3                                | Up to 75/71 ppm   | Up to 75/71 ppm   |
| Fax capabilities   | √   | √   |
| HP High-Performance Secure Hard Disk                     | $\checkmark$  | √   |
| 100-sheet tray 1, 550-sheet tray 2                       | √   | $\checkmark$  |
| 550-sheet feeder⁴  | Optional (up to four)                                   | Optional (up to one)  |
| 1x550-sheet paper feeder with stand and cabinet4         | Optional  | Not available   |
| 3x550-sheet paper feeder and stand⁴                      | Optional  | Not available   |
| 1x550 and 2,000-sheet HCl feeder and stand               | Optional  | √   |
| Envelope feeder  | Optional (up to two)                                    | Optional (up to one)  |
| 3-bin stapler/stacker with job offset                    | Not available   | √   |
| Advanced workflow features, including pull-out keyboards | Not available   | √   |
| Direct mobile printing                                   | Optional wireless direct <sup>6</sup> /NFC <sup>7</sup> | Embedded Wi-Fi Direct <sup>©</sup> /Bluetooth Low Energy <sup>©</sup> |
| Wireless networking                                      | Optional <sup>9</sup>                                   | Optional <sup>9</sup>   |

Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. An administrator must enable the easy-access USB port before use. \*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. \*The HP Laser let Enterprise MFP M6312, M632/ht, Flow M6322, and Flow M6332 can add up to one additional optional 550-sheet paper feeder. The Flow M631 h, M632/h. and M6337 h can add up to four additional optional 550-sheet paper feeders; or, they can add one of the other optional accessories (1x550 sheet paper feeder with stand and cabinet, 3x550-sheet paper feeder sheet stand) and up to one additional optional 550-sheet paper feeders and stand, or 1x550 and 2,000-sheet HQI feeder and stand) and up to rour additional optional 550-sheet paper feeders in the Flow MFP M6312, and Flow MFP M6322, and Flow MFP M6322, and Flow MFP M63232 and Flow

# **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. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

# Next Business Day Onsite with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

## Same Day Onsite – 4 hour 9x5 and 13x5:

Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

### Next Business Day Exchange:

Ships a permanent replacement unit overnight via premium airfreight, if hardware issue cannot be resolved remotely. Shipping charges are prepaid by HP.

For carepack availability visit: hp.com/go/cpc













# 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.

With speeds up to 75 pages per minute,<sup>2</sup> 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 printer using Original HP Toner cartridges with JetIntelligence.<sup>3</sup>

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

#### Accessories

J8J89A - HP LaserJet 550-sheet paper feeder

J8J90A - HP LaserJet Envelope Feeder

J8J91A - HP LaserJet 1x550-sheet paper feeder with stand and cabinet (only M633fh)
J8J92A - HP LaserJet 1x550-sheet and 2,000-sheet HCl feeder and stand (only M633fh)

J8J93A - HP LaserJet 3x550-sheet paper feeder with stand (only M633fh)

B5L28A - HP Internal USB Ports

B5L31A - HP Foreign Interface Harness (FIH)

CC487A - HP LaserJet MFP Analog Fax Accessory 500 (only M633fh)

J8031A - HP Jetdirect 2900nw Print Server

J8030A - HP Jetdirect 3000w NFC/Wireless Accessory

F5S62A - HP Trusted Platform Module Accessory

A7W12A - HP LaserJet Keyboard Overlay Kit for Simplified Chinese & Traditional Chinese

A7W14A - HP LaserJet Keyboard Overlay Kit Sweden E5K48A - HP 1GB DDR3 x32 144-Pin 800MHz SODIMM

### Supplies

J8J96A - HP Staple Cartridge Refill

J8J87A - HP LaserJet 110v Maintenance Kit J8J88A - HP LaserJet 220v Maintenance Kit

J8J95A - HP 300 ADF Roller Replacement Kit

CF237A - HP 37A Black Original LaserJet Toner Cartridge

CF237X - HP 37X High Yield Black Original LaserJet Toner Cartridge CF237Y - HP 37Y Extra High Yield Black Original LaserJet Toner Cartridge

### Services

U9NK2E- HP 5 year Next Business Day HW Support w/Defective Media Retention

U9NK5E- HP 5 year 4 hour 9x5 Hardware Support w/Defective Media Retention

U9NK8E - HP 5 year 4 hour 13x5 Hardware Support w/Defective Media Retention

U9NL1E - HP 5 year NBD Call To Repair HW Support w/Defective Media Retention

U9NL4E - HP 5 year Next Business Day Parts Exchange Service

U9NL7E - HP 5 year Next Business Day + max 5 Maintenance Kit HW Support

U9NL9PE - HP 5 year Next Business Day + max 5 Maintenance Kit HW Support

U9NM1PE - HP 2 year Post Warranty 4 hour 9x5 Hardware Support w/DMR

U9NM3PE - HP 2 year Post Warranty 4 hour 13x5 Hardware Support w/DMR

U9NM5PE - HP 2 year Post Wty NBD CTR HW Support w/Defective Media Retention

 ${\tt U9NM7PE-HP~2~year~Post~Wty~NBD~CTR~HW~Support~w/Defective~Media~Retention}\\$ 

<sup>1</sup> 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 http://www.hp.com/go/printersThatProtect. For more information, see http://www.hp.com/go/printerscurityclaims ?Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printersclaims. 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 37X High Yield Black Original LaserJet Toner Cartridges. For more information, see http://www.hp.com/go/learnaboutsupplies \*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.

# HP LaserJet Enterprise MFP M633 series

| Technical Specifications             | HP LaserJet Enterprise MFP M633fh(J8J76A)  | HP LaserJet Enterprise Flow MFP M633z(J8J78A)   |  |
|--------------------------------------|--|---|--|
| MFP functions                        | ·  | P multitasking supported: Yes   |  |
| Print speed                          |  |   |  |
| Print resolution                     | Letter: Up to 75 ppm black   | "; <b>First Page Out:</b> 5.3 Sec "<br>Up to 1200 x 1200 dpi  |  |
| Print Technology                     |  | ies; FastRes1200; 1200 x 1200 dpi   |  |
| Print Cartridges Number              | -  | lack)   |  |
| Standard Print Languages             |  | postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™  |  |
| Printer Smart Software Features      |  | , 6, 9, 16), collation, watermarks, store print jobs, easy-access USB   |  |
| Printer Management                   |  | ; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver   |  |
| Scan Type / Technology               |  | y; Charge Coupled Device (CCD)  |  |
| Scan Resolution                      |  | pi; <b>Optical:</b> up to 600 dpi   |  |
| 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 Input Modes                     | Front panel applications: Copy; E-mail; Save to Network Folder; Save to USB; Save to Device Memory; S.   | ave to SharePoint; Open Extensibility Platform (OXP) applications; HP Scan or user application via TWAIN  |  |
| Scan Size                            | <b>ADF:</b> 215.9 x 863.6 mm; 8.5 x 34.0 in Maximum; 68 x 147 mm; 2.7 x 5.8 in Minimum; <b>Flatbed:</b> 220 x 365 mm   | <b>ADF:</b> 215.9 x 863.6 mm; 8.5 x 34.0 in Maximum; 68 x 147 mm; 2.7 x 5.8 in Minimum; <b>Flatbed:</b> 220 x 365 mm  |  |
| Scan Speed                           | Letter:Up to 75 ppm/120 ipm (b&w), up to 75 ppm/120 ipm (color); <b>Duplex: Letter:</b> Up to 120 ipm (b&w), up to 120 ipm (color) <sup>11</sup>   | <b>Letter: U</b> p to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color); <b>Duplex: Letter:</b> Up to 180 ipm (b&w), up to 180 ipm (color) <sup>11</sup>   |  |
| Scanner Advanced Features            | Optimize text/picture; Image adjustments; Job build: Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets PDF, JPG, TIF, MTIF Scan software not included in box. HP Scan and TWAIN driver available for download at http://hp.com/support Scan software not included in box. HP Scan and TWAIN driver available for download at http://hp.com/support  | Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone PDF, JPG, TIF, MTIF Scan software not included in box. HP Scan and TWAIN driver available for download at http://hp.com/support Scan software not included in box. HP Scan and TWAIN driver available for download at http://hp.com/support Scan software not included in box.  |  |
| Bit depth / Grayscale levels         | Internal: 30 bit ; External: 24 bit / 256  |   |  |
| Digital Sending Standard<br>Features | Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to SharePoint; Send to FTP; Send to Internet Fax;<br>Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content;<br>Compact PDF   | Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Sen to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Crior Direct   |  |
| Copy Speed                           | ·  | r): Up to 75 cpm  |  |
| Copy Resolution                      | Black (text and Graphics): Up to 600 × 600 dpi (flatbed); Up to 600 × 450 dpi (ADF)  |   |  |
| Maximum Number of Copies             | Up to 9999 copies  |   |  |
| 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 Coddifferent media sizes)  |   |  |
| Fax Speed                            | <b>Up to:</b> 33.6 kbps <sup>5</sup>   |   |  |
| Fax Resolution                       | <b>Black (best):</b> Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); <b>Black (standard):</b> 203 x 98 dpi  |   |  |
| 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   |   |  |
| Fax Features                         | Fax Memory: Up to 500 pages; Auto Fax Reduction Supported: Yes; Fax to-Redailing: Yes; Fax Delayed Sending: No: Districtive Ring Detection Supported: No: Fax Forwarding Supported: Yes; Fax Phone TAM Interface Supported: No; Fax Polling Supported: Yes (poll to receive only); Fax Telephone Mode Supported: No; Junk Barrier Supported: Yes; Maximum Speed Dalling Numbers: Up to 1000 numbers (each with 210 destinations); PC Interface Supported: Yes; Remote Retrieval Capability Supported: No; Junk Barrier Sup |   |  |
| 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 Hi-Speed Device USB 2.0; 2 Host USB (1 walk-up and 1 external accessible); 1 Gigabit Ethernet 10/100/1000T<br>network; 1 Hardware Integration Pocket; 1 Fax; 1 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy   |  |
| Network Capabilities                 | Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 100Base-Tx, 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard), 802.11a/b/g/n wireless networking (optional).  | Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-802.3az (EEE) support on Fast Ethernet and Gig Links; Psec (standard); 802.11a/b/g/n wireless networking (standard).   |  |
| Network Ready                        | Standard (built-in   | Gigabit Ethernet)   |  |
| Wireless Capability                  | Optional, enabled with purchase of HP Jetdirect 2900nw Print Server J8031A or HP Jetdirect 3000w NFC/Wireless Accessory J8030A   | Built-in Wi-Fi Direct, Bluetooth low energy (BLE)   |  |
| Mobile Printing Capability           |  | -™-certified; Google Cloud Print 2.0  |  |
| Memory                               | Standard: 1.5 GB (printer); 512 MB (scanner); Maximum: 2 GB Total  | Standard: 1.5 GB (printer); 1 GB (scanner); Maximum: 2.5 GB Total   |  |
| Processor Speed                      |  | mance Secure Hard Disk (AES 256 hardware encryption or greater)   |  |
| Duty Cycle                           | Monthly, Letter: Up to 300,000 pages Recommended Monthly Page Volume: 5,000 to 30,000  |   |  |
| Paper Handling                       | Input Capacities: 100-sheet multipurpose feeder, 550-sheet input feeder, 150-sheet automatic document feeder; Up to 650 sheets standard; Up to 75 envelopes labels legal; Output Capacities: 500-sheet output feeder, two-sided printing; Up to 500 sheets standard labels legal; Output Capacities: 500-sheet output feeder, two-sided printing; Up to 500 sheets standard labels legal; Output Capacities: 500-sheet output feeder feeder Capacity: Standard Paper Trays: 2; Media Types Supported: Paper (plain; light, bond; recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope; Media Weight Supported: Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); feeder 2: 16 to 32 lb bond (plain); Media Sizes Supported: Feeder 1: 16 trette, legal, statement, executive; Offico (8.5 x 13 in), envelopes (No. 9, No. 10, Monarch(7 3/4)); 3 x 5, 4 x 6, 5 x 7, 5 x 8; feeder 2: letter, executive; Media Sizes Sustom: Feeder 1: 3 x 5 to 8.5 x 14 in; feeder 2: 3.90 x 5.83 to 8.5 x 11 in  | Input Capacities: 100-sheet multipurpose feeder, 550-sheet input feeder, 150-sheet automatic document feeder, 2000-sheet input feeder with 550 sheet input feeder; Up to 3200 sheets standard; Up to 75 envelopes labels legal Output Capacities: 500-sheet ouput feeder, 500 sheet output stapler stacker, two-sided printing; Up to 1000 sheet standard labels legal; Duplex Options: Automatic (standard)Auto Document Feeder Capacity; Standard, 150 sheets Ervelope Feeder: Ves, 75 (optional); Standard Paper Trays: 4; Media Types Supported: Paper (plain; light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparenc labels, letterhead, envelope, heavy envelope; Media Weight Supported: Feeder: 1: 16 to 53 lb bond (plain), 16 to 24 (envelopes); Geeder 2-4: 16 to 32 lb bond (plain), Media Sizes Supported: Feeder: 1: Letter, legal, statement, executive, Oficio (8.5 x 13 in), envelopes [No. 9, No. 10, Monarch(7 3/4)], 3 x 5, 4 x 6, 5 x 7, 5 x 8; feeder 2, 3: letter, executive; feeder 4: Letter, Legal; Media Sizes Custom: Feeder: 1: 3 x 5 to 8.5 x 14 in; feeder 2: 3. 3.90 x 5.83 to 8.5 x 11 in, feeder 4: 8.27 x 11 to 8.5 x 14 |  |

# HP LaserJet Enterprise MFP M633 series

| Technical Specifications                | HP LaserJet Enterprise MFP M633fh(J8J76A)  | HP LaserJet Enterprise Flow MFP M633z(J8J78A)   |  |
|---|--|---|--|
| Product Dimensions                      | WxDxH: 20.15 x 22 x 25.2 in; 512 x 558 x 640 mm Maxmum: 40.5 x 31.7 x 34.1 in fright side jam access door open, left side cartridge door open, all feeders open and extended, ADF open); 1030 x 808 x 865 mm (right side jam access door open, left side cartridge door open, all feeders open and extended, ADF open)   | WxDxH: 26 x 25.9 x 48.5 in; 661 x 658 x 1234 mm Maximum: 40.5 x 35 x 59.1 in tright side jam access door oper<br>left side cartridge door open, all feeders open and extended, ADF open); 1030 x 890 x 1500 mm (right side jam<br>access door open, left side cartridge door open, all feeders open and extended, ADF open) |  |
| Product Weight                          | 33.2 kg73.2 lb   | 64.3 kg141.8 lb   |  |
| What's in the box                       | HP Laser Jet Multifunction Printer; HP Black Original Laser Jet Toner Cartridge (~11K yield); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord   |   |  |
| Warranty Features                       | One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region.   |   |  |
| Control Panel                           | 8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)   | 8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard   |  |
| Display Description                     | 8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjusta  | ble angle) display; illuminated Home button (for quick return to the Home menu)   |  |
| Software Included                       | HP Connected, HP Device Experience (DXP), HP PCL 6 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   |   |  |
| 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  |   |  |
| 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, 1.40.4, 15.10, 16.04, 16.10), OS mac(5) 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 Et (21) Equation, UNIX, Windows 10 at 31.2 = 6.4-bit editions (excluding RT OS for Tablets), Windows 7.2 at 32.2 & 6.4-bit editions (9.8), at 31.2 = 8.64-bit editions (Excluding RT OS for Tablets), Windows Vista at 31.2 bit editions (Horne Basic, Premium, Professional, etc.), Windows XPS 32.3 bit editions (XP Horne, XP Pro, etc.)  |   |  |
| Compatible Network Operating<br>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 2008/2008R2/2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Rerminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 Ferminal Services, 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenApp 6.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 5.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 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 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 [for Windows Server 2018 R2 SP1 |   |  |
| Minimum System Requirements             | PC: 2GB 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  |   |  |
| Power                                   | Power Supply Type: Built in 115V or 220 V Power Supply; Power Requirements: Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 12 A; Input voltage: 220 V to 240 V nominal, (+/-10%) 50 - 60Hz nominal (+/-3Hz), 6 A; 2   |   |  |
| Acoustics                               | Acoustic Power Emissions: 7.1 Bel; Acoustic Pressure Emissions: 57 dB(A)   | Acoustic Power Emissions: 7.0 Bel; Acoustic Pressure Emissions: 55 dB(A)  |  |
| Operating Environment                   | Operating Temperature Range: 15 to 32.5°C; Recommended Operating Temperature: 15 to 27°C; Storage Temperature Range: -20 to 40°C; Non-Operating Humidity Range: 10 to 90% RH; Operating Humidity Range: 10 to 80% RH; Recommended Humidity Operating Range: 30 to 70% RH   |   |  |
| 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 WIA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); ShMPv3; 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 accessable in Arcsight and Splunk SIEMs  |   |  |

# Learn more at hp.com

© Copyright 2017 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks. Windows is a registered trademark of Microsoft Corporation. AirPrint, iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.



<sup>&</sup>lt;sup>1</sup> Cartridges included; yields 11,000 black 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 <sup>2</sup> 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 115 V device. <sup>3</sup> Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on insoles printed and other factors. For more information, visit http://www.hp.com/go/learnaboutsupplies <sup>4</sup> 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/plearnaboutsupplies <sup>5</sup> Based on standard ITU-T test image #1 at standard resolution and MMR encoding, the HP fax device can transmit at 3 sec/page for V.17 <sup>6</sup> 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. <sup>7</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>9</sup> 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. <sup>9</sup> 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 115 V device. <sup>10</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>11</sup> Scan spee