



# HP LaserJet Enterprise M612 series

This HP LaserJet with JetIntelligence combines performance, energy efficiency, and security.<sup>1</sup>

This HP LaserJet Printer 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.<sup>1</sup>

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.  
<http://www.hp.com/go/learnaboutsupplies>



HP LaserJet Enterprise M612dn



HP LaserJet Enterprise M612x

### The world's most secure printing<sup>1</sup>

- With HP Sure Start, operating code is automatically checked at startup and repairs itself if compromised.
- 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.<sup>2</sup>
- Give workgroups what they need to succeed. Easily choose and deploy hundreds of 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 one-sided.
- This printer wakes up and prints your first page fast—in as quickly as 7.8 seconds.<sup>4</sup>
- This printer uses low amounts of energy thanks to its innovative design and toner technology.
- Easily manage print jobs directly at the printer—just tap and swipe the 4.3-inch (10.9 cm) color touchscreen.

### Performance and protection you can count on

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- 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.<sup>5</sup>

<sup>1</sup> HP's most advanced embedded security features are available on HP Enterprise and HP Managed devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: <http://www.hp.com/go/PrintersThatProtect>. For more information, visit: <http://www.hp.com/go/PrinterSecurityClaims>. <sup>2</sup> HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin>. <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, software 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, document complexity and time in sleep. <sup>5</sup> HP 147X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately. <sup>6</sup> 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.

## Product walkaround

1. Hardware Integration Pocket<sup>1</sup>
2. 4.3-inch (10.9 cm) color touchscreen control panel
3. Easy-access USB port
4. 100-sheet multipurpose tray 1
5. Front door access to toner cartridges
6. 550-sheet input tray 2
7. 550-sheet input tray 3
8. 500-sheet output bin
9. Automatic two-sided printing
10. Wi-Fi Direct<sup>4</sup>/Bluetooth Low Energy<sup>7</sup>
11. Host USB port
12. Gigabit Ethernet network port
13. Hi-Speed USB 2.0 printing port
14. Slot for cable-type security lock



Front view

Close-up of I/O ports

## Series at a glance



HP LaserJet Enterprise M612dn



HP LaserJet Enterprise M612x

	HP LaserJet Enterprise M612dn	HP LaserJet Enterprise M612x
<b>Product number</b>	7PS86A	7PS87A
<b>Print speeds (Letter)<sup>2</sup></b>	Up to 75 ppm	Up to 75 ppm
<b>Control panel</b>	4.3-inch (10.9 cm) color touchscreen	4.3-inch (10.9 cm) color touchscreen
<b>Automatic two-sided printing</b>	√	√
<b>Hardware Integration Pocket<sup>1</sup></b>	√	√
<b>100-sheet tray 1, 550-sheet tray 2</b>	√	√
<b>550-sheet paper feeder<sup>3</sup></b>	Optional (up to four)	√ (plus up to three optional)
<b>2,100-sheet paper feeder<sup>3</sup></b>	Optional	Optional
<b>Envelope feeder</b>	Optional (up to two)	Optional (up to two)
<b>Printer stand</b>	Optional	Optional
<b>5-bin stapler/stacker/mailbox with job offset</b>	Optional	Optional
<b>Direct mobile printing</b>	Optional wireless direct <sup>4</sup> /NFC <sup>5</sup>	Embedded Wi-Fi Direct <sup>4</sup> /Bluetooth Low Energy <sup>7</sup>
<b>Wireless networking</b>	Optional <sup>6</sup>	Optional <sup>6</sup>
<b>HP High-Performance Secure Hard Disk</b>	Optional	Optional

<sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. <sup>2</sup> Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>3</sup> All models come standard with the 100-sheet multipurpose tray and 550-sheet tray 2. The HP LaserJet Enterprise M611x and M612x models come with one additional 550-sheet paper feeder standard, and can add up to three additional optional 550-sheet paper feeders and the optional 2,100-sheet paper feeder. The M610dn, M611dn, and M612dn models can add up to four additional optional 550-sheet paper feeders and the optional 2,100-sheet paper feeder. <sup>4</sup> Wi-Fi Direct printing is embedded in the HP LaserJet Enterprise M611x and M612x models. All other models can add wireless direct with the purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct<sup>®</sup> supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see [hp.com/go/mobileprinting](http://hp.com/go/mobileprinting). Wi-Fi Direct is a registered trademark of Wi-Fi Alliance. <sup>5</sup> Touch-to-print capability is optional for all models (except M611x and M612x) with 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](http://hp.com/go/businessmobileprinting). <sup>6</sup> 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. <sup>7</sup> Bluetooth Low Energy is standard only on the HP LaserJet Enterprise M611x and M612x models, and it cannot be added to other models. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license.

## 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.

For carepack availability visit: [hp.com/go/cpc](http://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.<sup>1</sup>

With speeds up to 75 pages per minute,<sup>3</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.

Help protect your printer using Original HP Toner cartridges with JetIntelligence.

### Accessories

L0H17A HP LaserJet 550-Sheet Paper Feeder  
 L0H18A HP LaserJet 2100 Sheet Paper Feeder  
 L0H19A HP LaserJet Printer Stand  
 L0H20A HP LaserJet Stapler/Stacker/Mailbox  
 L0H21A HP LaserJet Envelope Feeder  
 L0H22A HP LaserJet Extension Tray Cover  
 2MU47A HP Accessibility Assistant  
 2NR03A HP 1GB 90-Pin DDR3 TAA Version DIMM  
 2NR12A HP Removable Hard Drive Enclosure  
 3JN69A HP JetDirect 3100w BLE/NFC/Wireless Accy  
 5EL03A HP TAA Version Secure Hard Disk Drive  
 B5L28A HP Internal USB Ports  
 B5L29A HP Secure High Performance Hard Disk Drive  
 CC543B HP SmartCard NIPRNet Solution for US Government  
 F2A86A HP Int USB Ports Bulk M604/605/606 Accy  
 G6W84A HP 1GB 90-Pin DDR3 DIMM  
 J8031A HP Jetdirect 2900nw Print Server  
 X3D03A HP USB Universal Card Reader  
 Y7C05A HP HIP2 Keystroke Reader  
 4QL32A HP Legic Reader

### Supplies

J8J96A HP Staple Cartridge Refill  
 L0H24A HP LaserJet 110v Maintenance Kit  
 L0H25A HP LaserJet 220v Maintenance Kit

### Solutions

**Overview:** HP's portfolio of innovative solutions empower people's evolving work styles and improve your business' agility to compete in a digital world. Fuel collaboration, optimize processes and costs, and help meet the needs of a growing mobile workforce that wants everything accessible, mobile, and secure.

**Security:** HP JetAdvantage Security Manager fleet security compliance and management; HP Access Control; HP JetAdvantage Secure Print; Card readers; Secure Encrypted Print (UPD)

**Management:** HP WebJetAdmin; HP JetAdvantage Security Manager; HP JetAdvantage Insights

For more information on solutions, go to <http://www.hp.com/go/jetadvantage>. For a list of 3rd party solutions, go to <http://www.hp.com/go/gsc>.

### Services

U9M22E - HP 5y NBD LJ Ent M609 M612 SVC  
 U9M25E - HP 5y 4h 9x5 LJ Ent M609 M612 SVC  
 U9M28E - HP 5y 4h 13x5 LJ Ent M609 M612 SVC  
 U9NA4E - HP 5y Nbd Exch LJ Ent M609 M612 SVC  
 U9NA7E - HP 5y RtD LJ Ent M609 M612 SVC  
 U9NB0E - HP 5y ChnlPartsOnly LJ Ent M609 M612 SVC  
 U9NB3E - HP5yNBDw/Max 3MaintKit LJEntM609M612 SVC  
 U9NB5PE - HP 2y PW NBD LJ Ent M609 M612 SVC  
 U9NB7PE - HP 2y PW 4h 9x5 LJ Ent M609 M612 SVC  
 U9NB8PE - HP 1y PW 4h 13x5 LJ Ent M609 M612 SVC  
 U9NC1PE - HP 1y PW Nbd Exch LJ Ent M609 M612 SVC  
 U9NC2PE - HP 1y PW RtD LJ Ent M609 M612 SVC  
 U9NC4PE - HP 2y PW PartsOnly LJ Ent M609 M612 SVC  
 U9PS9E - HP MKRS LJ M60x M612 MFP Fuser 220 SVC  
 U9PS8E - HP MKRS LJ M60x M612 MFP Fuser 110 SVC  
 U9JT2E - HP Inst SVC w/nw Workgroup Printer



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# HP LaserJet Enterprise M612 series

Technical Specifications	HP LaserJet Enterprise M612dn(7P586A)	HP LaserJet Enterprise M612z(7P587A)
<b>Print speed</b>	<b>A4:</b> Up to 71 ppm black; <b>Letter:</b> Up to 75 ppm black; <sup>9</sup> <b>A5:</b> Up to 115 ppm <sup>10</sup> ; <b>First Page Out Black:</b> As fast as 5.1 sec.; <sup>11</sup>	
<b>Duplex Print speed</b>	<b>A4:</b> Up to 58 ipm black; <b>Letter:</b> Up to 58 ipm black	
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Black (normal):</b> FastRes 1200; <b>Black (fine lines):</b> Up to 1200 x 1200 dpi	
<b>Print Technology</b>	Laser; <b>Print Resolution Technologies:</b> Normal FastRes 1200; Fine Lines (1200 x 1200 dpi), Quickveiw (300 x 300 dpi), Economode (600 x 600 dpi)	
<b>Print Cartridges Number</b>	1 (black)	
<b>Standard Print Languages</b>	HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v.1.7), Apple AirPrint™	
<b>Printer Smart Software Features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB	
<b>Printer Management</b>	HP Printer Assistant, HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Proxy Agent, HP Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator);	
<b>Standard Connectivity</b>	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket	
<b>Network Capabilities</b>	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 (optional).	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); Built-in 802.11a/b/g/n wireless networking (standard)
<b>Wireless Capability</b>	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Yes, built-in WiFi with Dual band Wireless Station, Wi-Fi Direct functionality and BLE.
<b>Mobile Printing Capability</b>	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; ROAM optional for easy printing <sup>7</sup>	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified; Wi-Fi® Direct printing; ROAM capable for easy printing <sup>7</sup>
<b>Memory</b>	<b>Standard:</b> 512 MB; <b>Maximum:</b> 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed	
<b>Processor Speed</b>	1.2 GHz	
<b>Duty Cycle</b>	<b>Monthly, letter:</b> Up to 300,000 pages <sup>12</sup> ; <b>Recommended Monthly Page Volume:</b> 5000 to 30,000 <sup>13</sup>	
<b>Paper Handling</b>	<b>Input Capacities:</b> 100-sheet multipurpose feeder; 550-sheet input feeder; 150-sheet automatic document feeder; Up to 650 sheets standard labels legal; <b>Output Capacities:</b> 500 sheet output bin; Up to 500 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <b>Envelope Feeder:</b> Yes; 75 (optional); <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope; <b>Media Weight Supported:</b> Automatic Duplexer: 16 to 32 lb; <b>Media Sizes Supported:</b> 100-sheet multipurpose Tray 1: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 550-sheet optional feeder: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 2000-sheet optional HCl: Letter, Legal; 75-sheet optional envelope feeder: #9, #10, Monarch; <b>Media Sizes Custom:</b> 100-sheet multipurpose Tray 1: 3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 3.9 x 5.8 to 8.5 x 14 in; 550-sheet optional feeder: 3.9 x 5.8 to 8.5 x 14 in; 75-sheet envelope feeder: 3.5 x 5.8 to 7 x 10 in	<b>Input Capacities:</b> 100-sheet multipurpose feeder; 550-sheet input feeder; 150-sheet automatic document feeder; Up to 1200 sheets standard labels legal; <b>Output Capacities:</b> 500 sheet output bin; Up to 500 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <b>Envelope Feeder:</b> Yes; 75 (optional); <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (plain, light, bond, recycled, heavy, extra heavy, cardstock, pre-printed, pre-punched, colored, rough, heavy rough), mono transparency, labels, letterhead, envelope, heavy envelope; <b>Media Weight Supported:</b> Automatic Duplexer: 16 to 32 lb; <b>Media Sizes Supported:</b> 100-sheet multipurpose Tray 1: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, Envelopes: #9, #10, Monarch; 550-sheet input Tray 2: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 550-sheet optional feeder: Letter, Legal, Executive, Statement, Oficio (8.5 x 13), 4 x 6 in, 5 x 7 in, 5 x 8 in; 2000-sheet optional HCl: Letter, Legal; 75-sheet optional envelope feeder: #9, #10, Monarch; <b>Media Sizes Custom:</b> 100-sheet multipurpose Tray 1: 3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 3.9 x 5.8 to 8.5 x 14 in; 550-sheet optional feeder: 3.9 x 5.8 to 8.5 x 14 in; 75-sheet envelope feeder: 3.5 x 5.8 to 7 x 10 in
<b>Product Dimensions</b>	<b>W x D x H:</b> 17 x 18.3 x 15 in; 431 x 466 x 380 mm <b>Maximum:</b> 17 x 40.9 x 17.8 in; 431 x 1040 x 453 mm	<b>W x D x H:</b> 17 x 18.3 x 19.9 in; 431 x 466 x 505 mm <b>Maximum:</b> 17 x 43.3 x 22.9 in; 431 x 1100 x 581 mm
<b>Product Weight</b>	47.5 lbs <sup>3</sup> ; 21 kg <sup>3</sup>	58 lb <sup>3</sup> ; 26.3 kg <sup>3</sup>
<b>What's in the box</b>	HP LaserJet Multifunction Printer; HP Black Original LaserJet Toner Cartridge (~10.5K yield); Documentation (Hardware Install Guide, Regulatory Flyer); Power cord. <sup>2</sup>	
<b>Replacement Cartridges</b>	HP 147A Black Original LaserJet Toner Cartridge (~10,500 pages) W1470A; HP 147X High Yield Black Original LaserJet Toner Cartridge (~25,200 pages) W1470X; HP 147Y Extra High Yield Black Original LaserJet Toner Cartridge (~42,000 pages) W1470Y <sup>6</sup>	
<b>Warranty Features</b>	One-year warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.	
<b>Energy Star Certified</b>	Yes	
<b>Energy Efficiency Compliance</b>	ENERGY STAR® qualified; Blue Angel; EPEAT® Silver; CECP	ENERGY STAR® qualified; EPEAT® Silver; EPEAT® Gold (#AAZ, #201 options only); CECP; Blue Angel
<b>Control Panel</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	
<b>Display Description</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle);	
<b>Software Included</b>	No software solutions are included in the Box, only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com">http://123.hp.com</a> ;	
<b>Fonts and Typefaces</b>	105 internal TrueType fonts scalable in HP PCL 92 internal scalable fonts in HP postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); Additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>	
<b>Compatible Operating Systems</b>	Windows Client OS (32/64-bit)-, Win10, Win8.1, Win7 Ultimate, Mobile OS-, iOS, Android, Mac-, Apple® macOS Sierra v10.13, Apple® macOS High Sierra v10.14, Apple® macOS Mojave v10.15, Discrete PCL6 Printer Driver-, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers-, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems, For more information on the supported operating systems see <a href="http://www.hp.com/go/ups">www.hp.com/go/ups</a> ;	
<b>Compatible Network Operating Systems</b>	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers-, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems, For more information on the supported operating systems see <a href="http://www.hp.com/go/ups">www.hp.com/go/ups</a> ;	
<b>Minimum System Requirements</b>	<b>PC:</b> 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see microsoft.com; <b>MAC:</b> 2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see apple.com;	
<b>Power</b>	<b>Power Supply Type:</b> Built in 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier); <b>Power Requirements:</b> 100V - 127V nominal @ +/-10% (min 90V, max 140V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz); 12 A; 220V - 240V nominal, @ +/-10% (min 198V, Max 264V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz); 6 A; <b>Power Consumption:</b> 780 watts (printing), 15.3 watts (ready), 3.1 watts (sleep), < 0.1 watts (Manual Off/Manual On), < 0.1 watts (Manual Off) <sup>8</sup> ; <b>Typical electricity consumption (TEC) number:</b> ES: 1.093 kWh/week; BA: 2.948 kWh/week <sup>5</sup>	
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 7.1 B(A); <b>Acoustic Pressure Emissions:</b> 56 dB(A) <sup>8</sup>	
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 10 to 32.5°C; <b>Recommended Operating Temperature:</b> 15 to 27°C; <b>Storage Temperature Range:</b> -20 to 40°C; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH	
<b>Security Management</b>	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g., badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports 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	

<sup>1</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. <sup>2</sup> Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>3</sup> With print cartridges. <sup>4</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. <sup>5</sup> BA TEC is equal to Best TEC. 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 Version 3.0 TEC is not comparable to Energy Star Version 2.0 TEC values or BA TEC values. BA uses Energy Star Version 2.0 TEC. Energy Star value typically based on measurement of 115V device. <sup>6</sup> Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>. <sup>7</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://hp.com/go/roam>. <sup>8</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Noise measured during printing mono simplex A4 at 71ppm. <sup>9</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>10</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>11</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>12</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. <sup>13</sup> 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. <sup>14</sup> 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.



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