

# HP LaserJet Enterprise M610dn



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>



## 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

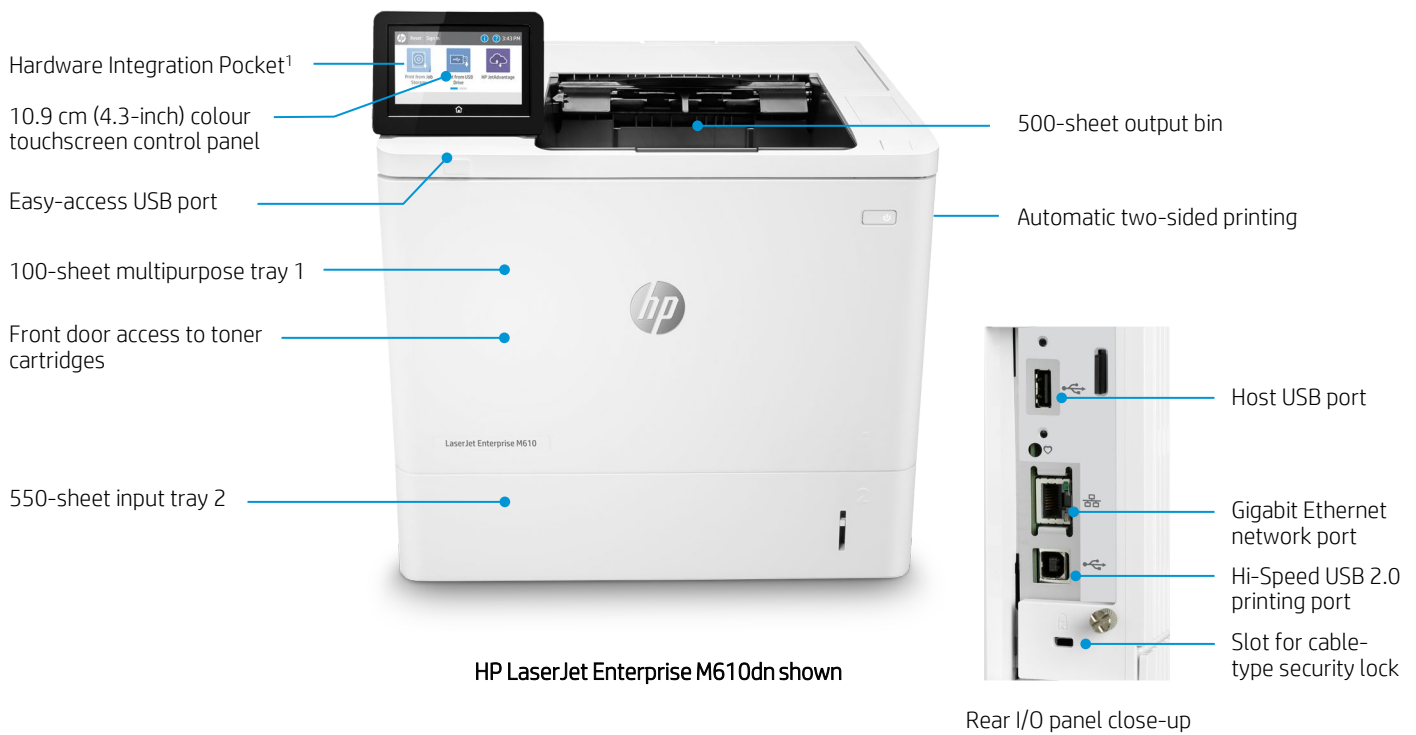
- Speed through tasks and save paper. Print two-sided documents nearly as fast as single-sided.
- This printer wakes up and prints your first page fast—in as quickly as 7.8 seconds.<sup>4</sup>
- This printer uses low amounts of energy thanks to its innovative design and toner technology.
- Easily manage 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>

## Product walkaround



## Series at a glance

|   | M610dn  |
|---|---|
| Part number                                   | 7PS82A  |
| Print speeds (A4) <sup>2</sup>                | Up to 52 ppm  |
| Control panel                                 | 10.9 cm (4.3-inch) colour touchscreen                   |
| Automatic two-sided printing                  | ✓   |
| Hardware Integration Pocket <sup>1</sup>      | ✓   |
| 100-sheet tray 1, 550-sheet tray 2            | ✓   |
| 550-sheet paper feeder <sup>3</sup>           | Optional (up to four)                                   |
| 2,100-sheet paper feeder <sup>3</sup>         | Optional  |
| Envelope feeder                               | Optional (up to two)                                    |
| Printer stand                                 | Optional  |
| 5-bin stapler/stacker/mailbox with job offset | Optional  |
| Direct mobile printing                        | Optional wireless direct <sup>4</sup> /NFC <sup>5</sup> |
| Wireless networking                           | Optional <sup>6</sup>                                   |
| HP High-Performance Secure Hard Disk          | 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® 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.

## Technical specifications

|  |  |
|--|--|
| <b>Product name</b>                      | HP LaserJet Enterprise M610dn  |
| <b>Product number</b>                    | 7P582A   |
| <b>Functions</b>                         | Print  |
| <b>Print</b>                             |  |
| Duplex printing                          | Automatic (standard)   |
| Print speed <sup>8</sup>                 | <b>Black (A4, normal)</b> Up to 52 ppm; <b>Black (A4, duplex)</b> Up to 43 ipm; <b>Black (letter, normal)</b> Up to 55 ppm; <b>Black (letter, duplex)</b> Up to 45 ipm;  |
| First page out <sup>9</sup>              | <b>Black (A4, ready)</b> : As fast as 5.1 sec; <b>Black (A4, sleep)</b> : As fast as 7.9 sec in mm   |
| Print technology                         | Laser  |
| Print resolution                         | <b>Black (best)</b> : Up to 1200 x 1200 dpi; <b>Black (normal)</b> : FastRes 1200  |
| Print resolution technology              | Normal FastRes 1200; Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi), Economode (600 x 600 dpi)  |
| Print cartridges number                  | 1 (black)  |
| Standard print languages                 | HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™  |
| Printer management                       | HP Printer Assistant, HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator);   |
| <b>Connectivity</b>                      |  |
| Standard connectivity                    | 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   |
| Mobile printing capability <sup>6</sup>  | HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™; ROAM optional for easy printing  |
| Wireless capability                      | 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 2900w 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 (optional).  |
| <b>Memory</b>                            | <b>Standard</b> : 512 MB; <b>Maximum</b> : 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed  |
| <b>Hard disk</b>                         | Optional, 500 GB (with accessory B5L29A)   |
| <b>Processor speed</b>                   | 1.2 GHz  |
| <b>Warm-up time</b>                      | 130 sec  |
| <b>Paper handling</b>                    |  |
| Duty cycle (monthly)                     | <b>Duty cycle (monthly, A4)</b> : Up to 250,000 pages; <b>Recommended monthly page volume</b> : 5000 to 20,000   |
| Input capacity                           | 100-sheet multipurpose feeder, 550-sheet input feeder; Optional 1x550-sheet paper feeder, optional 1x550 paper feeder and stand with cabinet, optional 3x550-sheet paper feeder and stand, optional high-capacity paper feeder and stand with 1x550 sheet feeder and 1x2,000-sheet feeder  |
| Output capacity                          | 500 sheet output bin   |
| Number of paper trays                    | <b>Standard</b> : 2; <b>Maximum</b> : Up to 6  |
| Media types                              | 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                             | Feeder 1: 60 to 200 g/m <sup>2</sup> ; feeder 2: 60 to 120 g/m <sup>2</sup> ; Automatic Duplexer: 60 to 120 g/m <sup>2</sup>   |
| Media size                               | <b>Custom (metric)</b> : 100-sheet multipurpose Tray 1: 76 x 127 to 216 to 356 mm; 550-sheet input Tray 2: 99 x 148 to 216 x 356 mm; 550-sheet optional feeder: 99 x 148 to 216 x 356 mm; 75-sheet envelope feeder: 90 x 148 to 178 x 254 mm; <b>Supported (metric)</b> : 100-sheet multipurpose Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS), Envelope: B5, C5, C6, DL; 550-sheet input Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS); 550-sheet optional feeder: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K (195 x 270), 16K (184 x 260), 16K (197 x 273), Postcard (JIS), Dpostcard (JIS); 2000-sheet optional HCL: A4; 75-sheet optional envelope feeder: B5, C5, C6, DL  |
| <b>Printer dimensions (W x D x H)</b>    | 431 x 466 x 380 mm   |
| <b>Printer weight</b> <sup>2</sup>       | 21.6 kg  |
| <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>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.  |
| <b>Warranty</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>Systems</b>                           |  |
| Compatible operating systems             | 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/upd">www.hp.com/go/upd</a> ; |
| Minimum system requirements              | <b>Windows</b> : 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>Mac</b> : 2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see <a href="http://apple.com">apple.com</a>   |
| Security management                      | Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate; Pre-Shared Key; and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs                        |
| Fonts and typefaces                      | 105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); Additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>   |
| <b>Control panel</b>                     | 4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button  |
| <b>Display</b>                           | 4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display   |
| <b>Power</b> <sup>3</sup>                | <b>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>Consumption</b> : 775 watts (printing), 14.98 watts (ready), 4.28 watts (sleep), < 0.1 watts (Auto Off/Manual On), < 0.1 watts (Manual Off); <b>Typical Electricity Consumption (TEC)</b> <sup>4</sup> : Blue Angel: 2.113 kWh/Week; Energy Star: 0.621 kWh/Week; <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)   |
| Operating environment                    | <b>Operating temperature range</b> : 10 to 32.5°C; <b>Recommended operating temperature range</b> : 15 to 27°C<br><b>Operating humidity range</b> : 10 to 80% RH; <b>Recommended operating humidity range</b> : 30 to 70% RH   |
| <b>Acoustics</b>                         | <b>Acoustic power emissions</b> : 6.9 B(A); <b>Acoustic power emissions (ready)</b> : Inaudible; <b>Acoustic pressure emissions bystander (ready)</b> : Inaudible<br>IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A1:2009 +A1:2010 +A1:2011 +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 2nd Ed. 2011-12; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 50, Dated June 24, 2007; Other safety approvals as required by individual countries.  |
| <b>Safety approvals and requirements</b> |  |
| <b>Supported network protocols</b>       | Via built-in networking solution: TCP/IP, 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: SLP, 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, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x   |

## Ordering information

### Accessories

| Number | Description                                   |
|--------|---|
| 3JN69A | HP Jetdirect 3100w BLE/NFC/Wireless Accessory |
| 4QL32A | HP Legic Secure USB Reader                    |
| B5L28A | HP Internal USB Ports                         |
| B5L29A | HP High-Performance Secure Hard Disk          |
| G6W84A | HP 1 GB 90-pin DDR3 DIMM                      |
| J8031A | HP Jetdirect 2900nw Print Server              |
| L0H17A | HP LaserJet 550-sheet Paper Tray              |
| L0H18A | HP LaserJet 2100 Sheet Paper Tray             |
| L0H19A | HP LaserJet Printer Stand                     |
| L0H20A | HP LaserJet Stapler/Stacker/Mailbox           |
| L0H21A | HP LaserJet Envelope Feeder                   |
| L0H22A | HP LaserJet Extension Tray Cover              |
| X3D03A | HP Universal USB Proximity Card Reader        |
| Y7C05A | HP HIP2 Keystroke Reader                      |

### HP Care Packs

| Number  | Description  |
|---------|--|
| U9MU0E  | HP 3 Year Next Business Day HW Support w/Defective Media Retention |
| U9MU1E  | HP 4 Year Next Business Day HW Support w/Defective Media Retention |
| U9MU2E  | HP 5 Year Next Business Day HW Support w/Defective Media Retention |
| U9MU3E  | HP 3 Year 4 Hour 9x5 HW Support W/Defective Media Retention        |
| U9MU4E  | HP 4 Year 4 Hour 9x5 HW Support W/Defective Media Retention        |
| U9MU5E  | HP 5 Year 4 Hour 9x5 HW Support W/Defective Media Retention        |
| U9MV5E  | HP 3 Year Return for Repair Service                                |
| U9MV6E  | HP 4 Year Return for Repair Service                                |
| U9MV7E  | HP 5 Year Return for Repair Service                                |
| U9MV8E  | HP 3 year Next Business Day Parts Exchange Service                 |
| U9MV9E  | HP 4 year Next Business Day Parts Exchange Service                 |
| U9MW0E  | HP 5 year Next Business Day Parts Exchange Service                 |
| U9MW4PE | HP 1 Year Post Warranty Next Business Day Hardware Support w/DMR   |
| U9MW5PE | HP 2 Year Post Warranty Next Business Day Hardware Support w/DMR   |

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](http://hp.com/go/cpc)

### Supported paper

| Number | Description  |
|--------|--|
| 4WM80A | HP CHP113 Office Paper-2500 sht/A4/210 x 297 mm              |
| 4WM81A | HP CHP150 Home and Office Paper-500 sht/A4/210 x 297 mm      |
| 4WM82A | HP CHP650 Everyday Paper 75 gsm-500 sht/A4/210 x 297 mm      |
| 4WM83A | HP CHP755 Color Choice Paper 200 gsm-250 sht/A4/210 x 297 mm |
| 4WM84A | HP CHP855 Premium Paper 80 gsm-250 sht/A4/210 x 297 mm       |
| 4WM85A | HP CHP910 Copy Paper 80 gsm 500 sht/A4/210 x 297 mm          |

Contact HP via phone: Asia: 65 6253 8500

### Original HP ink cartridges and maintenance supplies

| Number | Description                                      |
|--------|--|
| J8J96A | HP Staple Cartridge Refill (5,000 staples)       |
| L0H24A | HP LaserJet 110v Maintenance Kit (225,000 pages) |
| L0H25A | HP LaserJet 220v Maintenance Kit (225,000 pages) |

### HP Inc. offices

|             |                   |  |
|-------------|-------------------|--|
| Australia   | (613) 8833 5000   | <a href="http://hp.com.au">hp.com.au</a> |
| China       | (010) 6564 3888   | <a href="http://hp.com.cn">hp.com.cn</a> |
| Hong Kong   | (852) 3077 2688   | <a href="http://hp.com.hk">hp.com.hk</a> |
| India       | (80) 2612 9000    | <a href="http://hp.com/in">hp.com/in</a> |
| Indonesia   | (62-21) 5799 1088 | <a href="http://hp.com/id">hp.com/id</a> |
| Korea       | (02) 2199 0114    | <a href="http://hp.co.kr">hp.co.kr</a>   |
| Malaysia    | (603) 2332 3333   | <a href="http://hp.com.my">hp.com.my</a> |
| New Zealand | (09) 918 9555     | <a href="http://hp.co.nz">hp.co.nz</a>   |
| Philippines | (632) 888 5900    | <a href="http://hp.com/ph">hp.com/ph</a> |
| Singapore   | (65) 6275 3888    | <a href="http://hp.com.sg">hp.com.sg</a> |
| Taiwan      | (02) 3789 9900    | <a href="http://hp.com.tw">hp.com.tw</a> |
| Thailand    | (662) 353 9500    | <a href="http://hp.com/th">hp.com/th</a> |
| Vietnam     | (848) 3823 4151   | <a href="http://hp.com/vn">hp.com/vn</a> |

For the following countries, please fax your queries to (65) 6275 6707 Bangladesh, Bhutan, Brunei, Cambodia, Maldives, Nepal, Pakistan, Sri Lanka

### Solutions

For more solutions information, please visit [hp.com/go/gsc](http://hp.com/go/gsc)



Windows 10



HP Care Pack

## Footnotes

- <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: [hp.com/go/PrintersThatProtect](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.

## Technical specifications disclaimers

- <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> With print cartridges
- <sup>3</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 typically based on measurement of 115V device.
- <sup>4</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>5</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>6</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>7</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Noise measured during printing mono simplex A4 at 53 ppm.
- <sup>8</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>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>10</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>11</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>12</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.
- <sup>13</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.

To learn more, visit [hp.com](http://hp.com)

