



# HP LaserJet Enterprise M610dn

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>



This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

## 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.



HP Web Jetadmin



Fast two-sided printing



Optimized performance

## Product walkaround

HP LaserJet Enterprise M610dn shown

1. Hardware Integration Pocket<sup>1</sup>
2. 10.9 cm (4.3-inch) colour 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. 500-sheet output bin
8. Automatic two-sided printing
9. Host USB port
10. Gigabit Ethernet network port
11. Hi-Speed USB 2.0 printing port
12. Slot for cable-type security lock



<sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

## Accessories, Supplies and Support

Supplies	LOH24A HP LaserJet 110V Maintenance Kit (Up to 225,000 pages for HP LaserJet Enterprise M60X series; Up to 247,000 pages for HP LaserJet Managed E601XX series and HP LaserJet Managed E600XX series)
	LOH25A HP LaserJet 220V Maintenance Kit (Up to 225,000 pages for HP LaserJet Enterprise M60X series; Up to 247,000 pages for HP LaserJet Managed E601XX series and HP LaserJet Managed E600XX series.)
	W1470A HP 147A Black Original LaserJet Toner Cartridge (~10,500 pages)
Accessories	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	4QL32A HP Legic Secure USB Reader
	8FP31A HP Jetdirect LAN Accessory
	B5L28A HP Internal USB Connectors
	B5L29A HP High-Performance Secure Hard Disk
	G6W84A HP 1 GB 90-pin DDR3 DIMM
	J8031A HP Jetdirect 2900nw Print Server
	LOH17A HP LaserJet 550-sheet Paper Tray
	LOH18A HP LaserJet 2100 Sheet Paper Tray
	LOH19A HP LaserJet Printer Stand
	LOH20A HP LaserJet Stapler/Stacker/Mailbox
	LOH21A HP LaserJet Envelope Feeder
	LOH22A HP LaserJet Extension Tray Cover
	X3D03A HP Universal USB Proximity Card Reader
Y7C05A HP HIP2 Keystroke Reader	
Service and Support	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	

## Technical specifications

<b>Model</b>	HP LaserJet Enterprise M610dn
<b>Product number</b>	7PS82A
<b>Functions</b>	Print
<b>Control panel</b>	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
<b>Print</b>	
<b>Print technology</b>	Laser
<b>Print speed<sup>8</sup></b>	<b>Black (A4, normal):</b> Up to 52 ppm; <b>Black (A4, duplex):</b> Up to 43 ipm;
<b>First page out<sup>9</sup></b>	<b>Black (A4, ready):</b> As fast as 5.1 sec; <b>Black (A4, sleep):</b> As fast as 7.9 sec in mm;
<b>Print resolution</b>	<b>Black (best):</b> Up to 1200 x 1200 dpi; <b>Technology:</b> Normal FastRes 1200; Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi), Economode (600 x 600 dpi);
<b>Monthly duty cycle<sup>10</sup></b>	Up to 250,000 pages A4; <b>Recommended monthly page volume<sup>11</sup>:</b> 5000 to 20,000
<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>Standard print languages</b>	HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
<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>Print area</b>	<b>Print margins:</b> Top: 4.3 mm, Bottom: 4.3 mm, Left: 4.3 mm, Right: 4.3 mm; Maximum print area : 212 x 352 mm
<b>Duplex printing</b>	Automatic (standard)
<b>Processor speed</b>	1.2 GHz
<b>Connectivity</b>	
<b>Standard</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>Optional</b>	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
<b>Wireless</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
<b>Mobile printing capability<sup>6</sup></b>	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™; ROAM optional for easy printing
<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
<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).
<b>Hard disk</b>	Optional, 500 GB (with accessory B5L29A)
<b>Memory</b>	<b>Standard:</b> 512 MB ; <b>Maximum:</b> 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed
<b>Media handling</b>	
<b>Number of paper trays</b>	<b>Standard:</b> 2 ; <b>Maximum:</b> Up to 6
<b>Media types</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 size</b>	<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>Model</b>	HP LaserJet Enterprise M610dn
<b>Product number</b>	7P582A
<b>Media handling</b>	<b>Standard input:</b> 100-sheet multipurpose feeder, 550-sheet input feeder <b>Standard output:</b> 500 sheet output bin <b>Optional input:</b> Optional 1x550-sheet paper feeder, optional high capacity 1x2100-sheet paper feeder, optional envelope feeder
<b>Media weight</b>	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>
<b>Input capacity</b>	<b>Tray 1:</b> Sheets: 100; transparencies, cardstock (163 g/m <sup>2</sup> ): 50; Cardstock (200 g/m <sup>2</sup> ): 30; Envelopes: 10 <b>Tray 2:</b> Sheets: 550; Labels, Transparencies: 100 <b>Tray 3:</b> Sheets: 550; Labels, Transparencies: 100 <b>Maximum:</b> Up to 4400 sheets
<b>Output capacity</b>	<b>Standard:</b> Up to 500 sheets Envelopes: Up to 75 envelopes Transparencies: 200 <b>Maximum:</b> Up to 1300 sheets
<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/upd">www.hp.com/go/upd</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> , 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> ;
<b>Minimum system requirements</b>	<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>
<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>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
<b>Printer management</b>	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>Dimensions and weight</b>	
<b>Printer dimensions (W x D x H)</b>	<b>Minimum</b> 431 x 466 x 380 mm; <b>Maximum:</b> 431 x 1040 x 453 mm
<b>Package dimensions (W x D x H)</b>	597 x 497 x 539 mm
<b>Printer weight<sup>2</sup></b>	21.6 kg
<b>Package weight</b>	27.3 Kg
<b>Operating environment</b>	<b>Temperature:</b> 10 to 32.5°C <b>Humidity:</b> 30 to 70% RH
<b>Storage conditions</b>	<b>Temperature:</b> -20 to 40°C
<b>Acoustics<sup>7</sup></b>	<b>Acoustic power emissions:</b> 6.9 B(A) <b>Acoustic pressure emissions:</b> 55 dB(A)
<b>Power<sup>3</sup></b>	<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. Not dual voltage, power supply varies by part number with # Option code identifier.; <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)<sup>2</sup>:</b> 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);
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology
<b>Certifications<sup>1</sup></b>	<b>Electromagnetic emission standard:</b> CISPR 22:2008 (International) Class A, CISPR 32:2012 (International) Class A / EN 55032:2012 Class A, CISPR 35:2016 (International) Class A / EN 55035:2017 Class A, EN 55024:2010 +A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, FCC CFR 47 Part 15 Class A, ICES-003, Issue 6 Class A. Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU. Other EMC approvals as required by individual countries. ENERGY STAR <sup>®</sup> qualified; EPEAT <sup>®</sup> Silver; EPEAT <sup>®</sup> Gold (#AAZ, #201 options only)
<b>Sustainable impact specifications</b>	Mercury-free
<b>Country of origin</b>	Made in Japan (201, AAZ); Made in China (AB0, AB2, ABJ, ACJ, BBU, BGM, ABT, ABY, ACQ, B13, B19, BAZ, AC4, AC8, AKV, BGJ)
<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.

## 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://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> 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.

