



# HP LaserJet Enterprise M612dn

## The pinnacle of performance and security

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>



Color touchscreen



Mobile printing



Low energy



Instant-on technology



Auto on/off



2-sided printing

## 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.
- Centralise 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 fast and prints your first page faster – in as quickly as 7.9 seconds.<sup>3</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 10.9 cm (4.3 inch) colour 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>4</sup>

Product walkaround

HP LaserJet Enterprise M612dn shown

- 1. Hardware Integration Pocket
- 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. Optional wireless direct/NFC
- 10. Host USB port
- 11. Gigabit Ethernet network port
- 12. Hi-Speed USB 2.0 printing port
- 13. Slot for cable-type security lock



Accessories, Supplies and Support

Supplies	L0H25A 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)
	W1470X HP 147X High Yield Black Original LaserJet Toner Cartridge (~25,200 pages)
	W1470Y HP 147Y Extra High Yield Black Original LaserJet Toner Cartridge (~42,000 pages)
Service and Support	U9MZ0E HP 3 year Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M612 service
	U9MZ1E HP 4 year Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M612 service
	U9MZ2E HP 5 year Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M612 service
	U9NB4PE HP 1 year Post Warranty Next Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M612 service
	U9NB5PE HP 2 year Post Warranty Net Business Day Hardware Support with Defective Media Retention for LaserJet Enterprise M612 service

Technical specifications

Model	HP LaserJet Enterprise M612dn
Product number	7PS86A
Functions	Print
Control panel	10.92 cm (4.3 in) Colour Graphics Display (CGD) with touchscreen; Rotating (adjustable angle) display; Home button
Print	
Print technology	Laser
Print speed <sup>1</sup>	<b>Black (A4, normal):</b> Up to 71 ppm ; <b>Black (A4, duplex):</b> Up to 58 ipm
First page out <sup>2</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 resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi ; <b>Technology:</b> Normal FastRes 1200; Fine Lines (1200 x 1200 dpi), Quickveil (300 x 300 dpi), Economode (600 x 600 dpi)
Monthly duty cycle <sup>3</sup>	Up to 300,000 pages <b>A4; Recommended monthly page volume<sup>4</sup>:</b> 5,000 to 30,000
Printer smart software features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB
Standard print languages	HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
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>
Print area	<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
Duplex printing	Automatic (standard)
Processor speed	1.2 GHz
Connectivity	
Standard	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
Optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
Mobile printing capability <sup>5</sup>	HP ePrint; Apple AirPrint™; Google Cloud Print™; Mopria™ Certified
Supported network protocols	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: SLB 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
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); Microsoft Universal Print (MUP) support
Memory	<b>Standard:</b> 512 MB ; <b>Maximum:</b> 1.5 GB, MAX memory, when 1 GB Accessory DIMM is installed
Media handling	
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, coloured, rough, heavy rough), monochrome transparency, labels, envelope, heavy envelope
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); 2,000 sheet optional HCP: A4; 75 sheet optional envelope feeder: B5, C5, C6, DL
Media handling	<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
Media weight	Tray 1: 60 to 200 g/m²; Automatic Duplexer: 60 to 120 g/m²
Input capacity	<b>Tray 1:</b> Sheets: 100; Transparencies, cardstock (163 g/m²): 50; Cardstock (200 g/m²): 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 4,400 sheets
Output capacity	<b>Standard:</b> Up to 500 sheets Envelopes: Up to 75 envelopes Transparencies: 200 <b>Maximum:</b> Up to 1,300 sheets
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://www.support.hp.com">http://www.support.hp.com</a> , enter your product name and search, click on User Guides and enter your product name and search, click on User Guides and enter your product name and search for User Guide, 3. 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">http://www.hp.com/go/upd</a>	
Compatible network operating systems	
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 and XenDesktop 7.6, Novell Print server; Citrix Ready Kit Certification - up to Citrix Server 7.18, for more information see <a href="http://www.citrixready.citrix.com">http://www.citrixready.citrix.com</a> ; Linux- for more information see <a href="http://www.developers.hp.com/hp-linux-imaging-and-printing">http://www.developers.hp.com/hp-linux-imaging-and-printing</a> ; Unix- for more information see <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a> ; Linux- for more information see <a href="http://www.developers.hp.com/hp-linux-imaging-and-printing">http://www.developers.hp.com/hp-linux-imaging-and-printing</a> ; Unix- for more information see <a href="http://www.hp.com/go/unixmodelscripts">http://www.hp.com/go/unixmodelscripts</a> ; UPD PCL6 / PS Printer Drivers - for more information on the supported operating systems go to <a href="http://www.support.hp.com">http://www.support.hp.com</a> , 1. enter your product name and search, 2. click on User Guides and enter your product name and search for User Guide, 3. search for your (Product Name) - User Guide, 4. 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">http://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://www.microsoft.com">http://www.microsoft.com</a> <b>Mac:</b> 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see <a href="http://www.apple.com">http://www.apple.com</a>	
Software included	
No software solutions are included in the box, only on <a href="http://www.hp.com">http://www.hp.com</a> , <a href="http://www.123.hp.com">http://www.123.hp.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; 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 and 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	
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)	
Dimensions and weight	
Printer dimensions (W x D x H)	<b>Minimum</b> 431 x 466 x 380 mm; <b>Maximum:</b> 431 x 1040 x 453 mm
Printer weight <sup>6</sup>	21.6 kg
Operating environment	
<b>Temperature:</b> 10 to 32.5°C <b>Humidity:</b> 30 to 70 % RH	
Storage conditions	
<b>Temperature:</b> -20 to 40°C	
Acoustics <sup>7</sup>	
<b>Acoustic power emissions:</b> 7.1 B(A) <b>Acoustic pressure emissions:</b> 56 dB(A)	
Power <sup>8</sup>	
<b>Requirements:</b> 220V - 240V nominal; +/-10% (min 198V, Max 264V); 50 - 60Hz nominal +/- 3Hz (min 47Hz, max 63Hz), 6 A; <b>Consumption:</b> 877 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>9</sup>:</b> Blue Angel: 3.106 kWh/Week; Energy Star: 0.866 kWh/Week; <b>Power supply type:</b> Internal (built-in) 220V Power Supply	
Energy savings feature technology	
HP Auto-On/Auto-Off Technology; Instant-on Technology	
Certifications <sup>10</sup>	
<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, Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU. Other EMC approvals as required by individual countries. <b>CECP:</b> Blue Angel; EPEAT® Silver registered; ENERGY STAR® certified <b>Blue Angel compliant</b> Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies	
Sustainable impact specifications	
Mercury free	
Country of origin	
Made in China	
What's in the box <sup>11</sup>	
7PS86A HP LaserJet Enterprise M612dn printer; HP Black Original LaserJet Toner Cartridge (10,500 page yield); Documentation (Hardware Install Guide, Regulatory Flyer); Power cord. 10,500 pages black	
Warranty	
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: <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 after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep.
- <sup>4</sup> HP 147X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.
- <sup>5</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.

## Technical specifications disclaimers

- <sup>1</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>2</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>3</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>4</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>5</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://www.hp.com/go/roam>.
- <sup>6</sup> With print cartridges.
- <sup>7</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support>. Noise measured during printing monochrome simplex A4 at 71 ppm.
- <sup>8</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>9</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>10</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- <sup>11</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/learnaboutesupplies>.
- <sup>14</sup> Requires HP FutureSmart 5.8.1.1 or later.
- <sup>12</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/learnaboutesupplies>.
- <sup>13</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.

