HP LaserJet Enterprise M609 series



This HP LaserJet with JetIntelligence combines performance, energy efficiency, and security. 1

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.¹



HP LaserJet Enterprise M609dn



HP LaserJet Enterprise M609x

The world's most secure printing¹

- With HP Sure Start, each printer regularly checks its operating code and repairs itself from attempted hacks.
- Help prevent potential attacks and take immediate action with instant notification of security issues.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.²
- Give workgroups what they need to succeed. Easily choose and deploy over 180 HP and third-party solutions.

High-speed performance meets energy efficiency

- Speed through tasks and save paper. Print two-sided documents nearly as fast as one-sided.
- This printer wakes up fast and prints your first page faster—in as quickly as 7.8 seconds.⁴
- This printer uses exceptionally low amounts of energy thanks to its innovative design and toner technology.⁵
- Paper handling options include a wheeled stand and 550-sheet input feeder for paper sizes A6 to legal.

More. Pages, Performance, and Protection.⁶

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Original HP Toner cartridges with JetIntelligence deliver more pages per cartridge than predecessors.⁶
- Help retain the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Spend less time replacing toner, and more on business. Choose high-yield toner cartridges.⁷

Product walkaround

- 1. Hardware Integration Pocket³
- 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. 550-sheet input tray 3
- 8. 500-sheet output bin
- 9. Automatic two-sided printing
- 10. Wi-Fi Direct⁵/Bluetooth Low Energy⁸
- 11. Host USB port
- 12. Gigabit Ethernet network port
- 13. Hi-Speed USB 2.0 printing port
- 14. Slot for cable-type security lock



HP LaserJet Enterprise M609x



Series at a glance





Model	HP LaserJet Enterprise M609dn	HP LaserJet Enterprise M609x
Product number	K0Q21A	K0Q22A
Print speeds (A4) ²	Up to 71 ppm	Up to 71 ppm
Control panel	6.9 cm (2.7-inch) LCD with keypad	10.9 cm (4.3-inch) colour touchscreen
Automatic two-sided printing	Yes	Yes
Hardware Integration Pocket ³	Yes	Yes
100-sheet tray 1, 550-sheet tray 2	Yes	Yes
550-sheet paper feeder⁴	Optional (up to four)	Yes (plus up to three optional)
2,100-sheet paper feeder4	Optional	Optional
Envelope feeder	Optional (up to two)	Optional (up to two)
Printer stand	Optional	Optional
5-bin stapler/stacker/mailbox with job offset	Optional	Optional
Direct mobile printing	Optional wireless direct ⁵ /NFC ⁶	Embedded Wi-Fi Direct ⁵ /Bluetooth Low Energy ⁸
Wireless networking	Optional ⁷	Optional ⁷

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.

Choose from:

Optimized Care (optimum performance and stability):

4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Standard Care (high level of uptime):

Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Basic Care (minimum recommended support):

Next Business Day Onsite Support

4 hour Onsite Support:

Onsite support within four hours after a service call received within the coverage window

Next Business Day Onsite Support:

Onsite service the next business day after the service call is received

Maintenance Kit Replacement Service:

Onsite replacement of your printer's maintenance kit including parts, materials, and labor

Installation with Network Configuration Service:

Assembly, network configuration, and basic administrator familiarization. For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit hp.com/go/printservices

Top Features

Only HP Enterprise printers repair themselves from attacks in real time while offering outstanding manageability. Automatically monitor threats, detect intrusions, and validate operating software while centrally managing your fleet with ease.

With speeds up to 75 pages per minute,³ fast first page out, and a variety of paper-handling options, you get confidence that your employees can speed through their tasks without interruption.

Get more pages and help protect your printer using Original HP Toner cartridges with JetIntelligence.

Product

KOQ21A HP LaserJet Enterprise M609dn **KOQ22A** HP LaserJet Enterprise M609x

Accessories

B5L28A HP Internal USB Ports

B5L29A HP High-Performance Secure Hard Disk **F5S62A** HP Trusted Platform Module Accessory

G6W84A HP 1 GB 90-pin DDR3 DIMM

J8030A HP Jetdirect 3000w NFC/Wireless Accessory

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

Supplies

CF237A HP 37A Black Original LaserJet Toner Cartridge (11,000 pages)

CF237X HP 37X High Yield Black Original LaserJet Toner Cartridge (25,000 pages)
 CF237Y HP 37Y Extra High Yield Black Original LaserJet Toner Cartridge (41,000 pages)

LOH24A HP LaserJet 110V Maintenance Kit (Up to 225,000 pages) **LOH25A** HP LaserJet 220V Maintenance Kit (Up to 225,000 pages)

HP Care Packs

U9MZ0E
U9MZ1E

HP 3 year Next Business Day HW Support w/Defective Media Retention for Laser Jet Enterprise M609

U9MZ2E
U9MZ3E
HP 4 year Next Business Day HW Support w/Defective Media Retention for LaserJet Enterprise M609
HP 5 year Next Business Day HW Support w/Defective Media Retention for LaserJet Enterprise M609

U9MZ4E
U9MZ5E

HP 3 year 4 hour 9x5 HW Support w/Defective Media Retention for LaserJet Enterprise M609
HP 4 year 4 hour 9x5 HW Support w/Defective Media Retention for LaserJet Enterprise M609

U9NB4PE
U9NB5PE

HP 5 year 4 hour 9x5 HW Support w/Defective Media Retention for LaserJet Enterprise M609

HP 1 year Post Warranty Next Business Day Hardware Support w/DMR for LaserJet Enterprise M609

U9NB6PE
U9NB7PE
HP 2 year Post Warranty Next Business Day Hardware Support w/DMR for LaserJet Enterprise M609
HP 1 year Post Warranty 4 hour 9x5 Hardware Support w/DMR for LaserJet Enterprise M609
HP 2 year Post Warranty 4 hour 9x5 Hardware Support w/DMR for LaserJet Enterprise M609

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

Paper

Contact HP via phone: Asia: 65 6253 8500

Solutions

HP Web Jetadmin: hp.com/go/wja HP Universal Print Driver: hp.com/go/upd

HP Imaging and Printing Security Center: hp.com/go/ipsc

HP LaserJet Enterprise M609 series

Ma dal	LIBL Lu F. d MC00 de	LIDI In Falancia MCOO	
Model	HP LaserJet Enterprise M609dn	HP LaserJet Enterprise M609x	
Product number	K0Q21A	KOQ22A	
Functions	Print		
Print	A 11'-/-1		
Duplex print options	Automatic (standard)		
Print speed /	Black (A4, normal): Up to 71 ppm; Black (letter, normal): Up to 75 ppm; Black (A4, duplex): Up	p to 58 ppm; Black (letter, duplex): Up to 62 ppm	
First page out ⁹	Black (A4, ready): As fast as 5.4 sec; Black (A4, sleep): As fast as 7.9 sec		
Print technology	Laser		
Print resolution	Black (best) Up to 1200 x 1200 dpi; Black (normal) FastRes 1200; Black (fine lines) Up to 1200 x 1200 dpi		
Print resolution technology	FastRes 1200; 1200 x 1200 dpi		
Print cartridges number	1 (black)		
Standard print languages	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™		
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver		
Connectivity			
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	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket; 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy I/O	
Mobile printing capability ⁶	HP ePrint; Apple AirPrint™; Mopria-certified	HP ePrint; Wireless direct printing; Apple AirPrint™; Mopria-certified	
Memory	Standard: 512 MB; Maximum: 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed		
Hard disk	Optional, 500 GB (with accessory B5L29A)		
Processor speed	1.2 GHz		
Duty cycle (monthly)	Up to 300,000 pages; Recommended monthly page volume: 5000 to 30,000		
Paper handling	· · · · · · · · · · · · · · · · · · ·		
Input	100-sheet multipurpose feeder, 550-sheet input feeder	100-sheet multipurpose feeder, 550-sheet input feeder, 550 accessory feeder	
Output	500 sheet output bin	, , , , , , , , , , , , , , , , , , ,	
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 199 g/m²: feeder 2: 60 to 120 g/m²	Feeder 1: 60 to 199 g/m²; feeder 2, 3: 60 to 120 g/m²	
Media Sizes Custom	feeder 1: 76 x 127 to 216 x 356 mm; feeder 2: 99 x 148 to 216 x 356 mm	feeder 1: 76 x 127 to 216 x 356 mm; feeder 2: 99 x 148 to 216 x 356 mm, feeder 3: 99 x 148 to 216 x 356 mm	
Dimensions (w x d x h)	431 x 466 x 380 mm	431 x 466 x 505 mm	
Weight	21.6 kg	26.3 kg	
What's in the box ²	HP LaserJet Printer; HP Black Original LaserJet Toner Cartridge (~11K yield); CD with softwar		
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals		
Warranty features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G)		
Systems			
Compatible operating systems	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets)		
Minimum system requirements	PC:2 GB available hard disk space; OS hardware requirements see microsoft.com; Mac: 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info		
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 Wal-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 Frase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs,); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessable in Arcsight and Splunk SIEMs		
Fonts and typefaces	10S internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); Additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts		
Control panel	Rotating 2.7-in QVGA LCD (color graphics) with 24 key pad.	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	
Display	2.7-in (6.86 cm) QVGA LCD (color graphics) rotating (adjustable angle)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	
Ecolabels	ENERGY STAR® qualified ¹		
ENERGY STAR Qualified	Yes		
Power	Power supply type: Built in 115V or 220V Power Supply (Not dual voltage, power supply varies by part number with # Option code identifier); Power supply required: 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; Power consumption*; 780 watts (printing), 153 watts (ready), 3.1 watts (sleep), < 0.1 watts (Manual 0n), < 0.1 watts (Manual 0f); Typical Electricity Consumption number*. 2.948 kWh/Week (Blue Angel); 0.856 kWh/Week (Energy Star 3.0)		
Acoustics	Acoustic power emissions: 7.1 B(A): Acoustic power emissions (ready): Inaudible: Acoustic pressure emissions bystander (active, printing): 56 dB(A); Acoustic pressure emissions bystander (ready): Inaudible	Acoustic power emissions: 7.0 B(A): Acoustic power emissions (ready): inaudible; Acoustic pressure emissions bystander (active, printing): 55 dB(A); Acoustic pressure emissions bystander (ready): inaudible	
Environmental ranges	Operating temperature range: $15 \text{ to } 32.5^{\circ}\text{C}$; Recommended operating temperature: $59 \text{ to } 90.5^{\circ}\text{F}$; Non-operating humidity range: $10 \text{ to } 80\% \text{ RH}$; Operating humidity range: $30 \text{ to } 70\% \text{ RH}$; Recommended operating humidity range: $10 \text{ to } 90\% \text{ RH}$		
Safety approvals and requirements	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2007 / IEC 60825-1:2007 (Class 1 Laser Product); EN 62479:2010 / IEC 62479:2010; Low Voltage Directive 2006/95/EC 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		
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: 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: SMMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SMMPv3, SSL Cert Management, Firewall, ACL, 802.1x		

Footnotes

- ¹ Based on HP review of 2016 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit http://www.hp.com/qo/PrintersThatProtect. For more information: http://www.hp.com/qo/printersecurityclaims
- HP Web, letadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin
- ³ 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.
- Measured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep
- 5 Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in energystar.gov versus the top three leading competitors as of 8/2015. Actual results may vary. For details see http://www.hp.com/go/Liclaims
- 6 More pages versus predecessor cartridges claim based on page-yield comparison of HP 37X High Yield Black Original Laser let Toner Cartridges with HP 87X High Yield Black Original Laser let Toner Cartridges with HP 87X High Yield Black Original Laser let Toner Cartridges. information, see http://www.hp.com/go/learnaboutsupplies
- ⁷ HP 37X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.
- 8 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 disclaimers

- An administrator must enable the easy-access USB port before use
- ² Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/qo/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document
- ³ Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. HIP not available on the HP LaserJet Enterprise M607n and M608n.

 ⁴ All models come standard with the 100-sheet multipurpose tray and 550-sheet tray 2. The HP LaserJet Enterprise M608x and M609x 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 M607n, M607dn, M608n, M608dn, and M609dn models can add up to four additional optional 550-sheet paper feeders and the
- optional 2,100-sheet paper feeder.

 5 Wi-Fi Direct printing is embedded in the HP LaserJet Enterprise M608x and M609x 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, Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®
- ⁶ Touch-to-print capability is optional for all models (except M608x and M609x) 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.
- 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.
- ⁸ Bluetooth Low Energy is standard only on the HP Laser Jet Enterprise M608x and M609x 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 disclaimers

- 1 EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
- ² Cartridges included; yields 11,000 black pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies
- ³ 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.
- ⁴ Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of 115 V device.
- 5 Average color composite (C/M/Y) and black declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see http://www.hp.com/go/learnaboutsupplies.
- ⁶ May require a firmware upgrade to be compatible, download at http://www.hp.com/go/support
- 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
- ⁸ Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.
- 9 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.
- ¹⁰ eMMC is non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase Job Data; Secure Erase Disk
- 11 Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.



