Data sheet

HP LaserJet Enterprise M609 series



This HP LaserJet with JetIntelligence combines performance, energy efficiency, 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.



HP LaserJet Enterprise M609dh



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.
- 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 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.

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/go/PrintersThatProtect.For more information: http://www.hp.com/go/printersEnatProtect.For more information: http://www.hp.com/go/printersEnatProtect.For more information: http://www.hp.com/go/printersEnatProtect.For more information: StoyleC 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. ⁴ 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 LaserJet Toner Cartridges with HP 87X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

Product walkaround

- 1. Hardware Integration Pocket³
- 2. 4.3-inch (10.9 cm) color touchscreen control panel
- 3. Easy-access USB port1
- 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



Close-up of I/O ports

Series at a glance







HP LaserJet Enterprise M609dh	HP LaserJet Enterprise M609dn	HPLaserJetEnterprise M609x
K0Q20A	K0Q21A	K0Q22A
Up to 75/71 ppm	Up to 75/71 ppm	Up to 75/71 ppm
4.3-inch (10.9 cm) color touchscreen	2.7-inch (6.9 cm) LCD with keypad	4.3-inch (10.9 cm) color touchscreen
$\sqrt{}$		$\sqrt{}$
$\sqrt{}$		$\sqrt{}$
$\sqrt{}$		$\sqrt{}$
Optional (up to four)	Optional (up to four)	√ (plus up to three optional)
Optional	Optional	Optional
Optional (up to two)	Optional (up to two)	Optional (up to two)
Optional	Optional	Optional
Optional	Optional	Optional
Optional wireless direct ⁵ /NFC ⁶	Optional wireless direct ^s /NFC ⁶	Embedded Wi-Fi Direct ^s /Bluetooth Low Energy ^s
Optional ⁷	Optional ⁷	Optional ⁷
$\sqrt{}$	Optional	Optional
	M609dh K0Q20A Up to 75/71 ppm 4.3-inch (10.9 cm) color touchscreen √ √ √ Optional (up to four) Optional Optional Optional Optional Optional Optional Optional Optional	M609dh M609dn K0Q20A K0Q21A Up to 75/71 ppm Up to 75/71 ppm 4.3-inch (10.9 cm) color touchscreen 2.7-inch (6.9 cm) LCD with keypad √ √ √ √ √ √ ✓ √ Optional (up to four) Optional (up to four) Optional Optional Optional (up to two) Optional (up to two) Optional Optional Optional wireless directs/NFCs Optional wireless directs/NFCs Optional ⁷ Optional ⁷

¹An administrator must enable the easy-access USB port before use. ²Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. ³Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. HIP not available on the HP Laser Jet Enterprise M607n and M608n. ⁴All models come standard with the 100-sheet purchase. HIP not available on the HP Laser Jet Enterprise M607n and M608n. ⁴All models come standard with the 100-sheet paper feeder standard, and can add up to three additional portional 550-sheet paper feeders. ³He had been standard, and can add up to three additional 550-sheet paper feeder. ³He had been standard, and can add up to three additional 550-sheet paper feeders and the optional 550-sheet paper feeder. ³He had been standard, and can add up to three additional 550-sheet paper feeder. ³He had been standard and wireless direct with the purchase of the optional HP Jetdirect 3000w NEC/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[®], ⁶Touch-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 ⁷All models (except M608x and M609x) with purchase of the optional HP Jetdirect 2000nw Print Server. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. ⁸Bluetooth Low Energy is standard only on the HP LaserJet

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.

Next Business Day Onsite with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

Next Business Day Exchange:

Ships a permanent replacement unit overnight via premium airfreight, if hardware issue cannot be resolved remotely. Shipping charges are prepaid by HP.

Same Day Onsite - 4 hour 9x5 and 13x5:

Sends an HP technician to customers' site the same business day for repair, within 4 hours, if the issue cannot be resolved through remote support. Various support window times are available, for different requirements.

For carepack availability visit: 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.

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.⁶

Accessories

LOH17A - HP LaserJet 550-Sheet Paper feeder LOH18A - HP LaserJet 2100 sheet Paper feeder

LOH19A - HP LaserJet Printer Stand

LOH20A - HP LaserJet Stapler/Stacker/ Mailbox

LOH21A - HP Envelope Feeder B5L28A - HP Internal USB Ports

B5L29A - HP Secure High Perf Hard Disk Drive
J8031A - HP Jetdirect 2900nw Print Server
F5S62A - HP Trusted Platform Module Accessory

G6W84A- 1 GB Memory DIMM Kit

LOH22A - HP Extension Tray Cover (Only K0Q20A/K0Q21A)

Supplies

J8J96A - HP Staple Cartridge Refill

LOH24A - HP LaserJet 110v Maintenance Kit

LOH25A - HP LaserJet 220v Maintenance Kit

CF237A - HP 37A Black Original LaserJet Toner Cartridge (11,000 yield)
CF237X - HP 37X High Yield Black Original LaserJet Toner Cartridge
CF237Y - HP 37Y Extra High Yield Black Original LaserJet Toner Cartridge

Services

U9MZ2E - HP 5 year Next Business Day HW Support w/Defective Media Retention

U9MZ5E - HP 5 year 4 hour 9x5 HW Support w/Defective Media Retention U9MZ8E - HP 5 year 4 hour 13x5 HW Support w/Defective Media Retention

U9NA1E - HP 5 year Next Business Day Call To Repair HW Support w/DMR

U9NA4E - HP 5 year Next Business Day Exchange Service

U9NB5PE - HP 2 year Post Warranty Next Business Day Hardware Support w/DMR

U9NB7PE - HP 2 year Post Warranty 4 hour 9x5 Hardware Support w/DMR

U9NB8PE - HP 1 year Post Warranty 4 hour 13x5 Hardware Support w/DMR

U9NCOPE - HP 2 yr Post Warranty Next Business Day Call To Repair HW Support w/DMR

U9NC1PE - HP 1 year Post Warranty Next Business Day Exchange Service

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/go/PrintersThatProtect. For more information, http://www.hp.com/go/printerclaims. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. ⁴ Neasured after 15 min in sleep. Exact speed varies depending on the system configuration, software application, driver, document complexity and time in sleep. Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TECI) 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/ljclaims ⁶More pages versus predecessor cartridges claim based on page-yield comparison of HP 37X High Yield Black Original LaserJet Toner Cartridges. For more information, see http://www.hp.com/go/ljclaims ⁶More pages versus predecessor cartridges claim based on page-yield comparison of HP 37X High Yield Black Original LaserJet Toner Cartridges port included; please purchase separately.

HP LaserJet Enterprise M609 series

Technical Specifications	HP LaserJet Enterprise M609dh(K0Q20A)	HP LaserJet Enterprise M609dn(K0Q21A)	HP LaserJet Enterprise M609x(K0Q22A)	
Print speed		Letter: Up to 75 ppm black; 7; First Page Out Black: As fast as 5.3 sec; 9		
Print resolution		Black (fine lines): Up to 1200 x 1200 dpi		
Print Technology	Laser; Print Resolution Technologies : 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 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			
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			
Standard Connectivity	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network	1 Hi-Speed USB 2.0 Device; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet 10/100/1000T network	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Etherne 10/100/1000 Base-TX network; Hardware Integration Pocket; 1 Wi-Fi direct 802.11b/q/n; 1 Bluetooth low energy I/O	
Mobile Printing Capability	HP ePrint; Apple AirPrint ¹⁰⁰ , Mopria-certified ⁶ HP ePrint; Wireless direct printing; Apple AirPrint ¹⁰⁰ , Mopria-certified ⁶			
Memory	Standard: 512 MB, Maximum: 1.5 GB, MAX memory, when 1GB Accessory DIMM is installed			
Processor Speed	GHz / Hard disk: Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater); FIPS140 certified	andard, minimum 500 GB HP High-Performance Secure		
Duty Cycle	Month	nly, letter: Up to 300,000 pages Recommended Monthly Page Volume: 5000 to	30,000	
Paper Handling	to 650 sheets standard labels legal; Output Capacities: 500 sheet output bin;	to 650 sheets standard labels legal; Output Capacities: 500 sheet output bin	rough), mono transparency, labels, letterhead, envelope, heavy envelope; Media Weight Supported: Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); feeder 2, 3: 16 to 32 lb bond (plain); Media Sizes Supported: feeder 1: Letter, legal, statement, executive, Oficio (8.5 x 13 in), envelopes	
Product Dimensions	WxDxH: 17 x 18.3 x 15 in; Maximum: 17 x 43.3 x 22.9 in	W x D x H; 17 x 18.3 x 15 in; Maximum: 17 x 40.9 x 17.8 in	WxDxH: 17 x 18.3 x 19.9 in; Maximum: 17 x 43.3 x 22.9 in	
Product Weight	47.7 lbs	47.7 lbs	58 lbs	
What's in the box				
Warranty Features	HP Laser Jet Printer; HP Black Original Laser Jet Toner Cartridge (~11K yield); CD with software drivers and documentation; Documentation (Hardware Install Guide); Power cord ²			
Control Panel	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. (code 4G)			
	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button	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 Description	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)	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)	
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			
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 IPOS Emulation available at http://www.hp.com/go/laserjetfonts			
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 (xVP Home, XVP Pro, etc.)			
Compatible Network Operating Systems	[Litrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/5018 R2 SP1, Citrix on Windows Server 2008/2008R2/5018 R2 SP1, Citrix on Windows Server 2008 R2 SP1 SP1, Citrix New Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3 for Windows Server 2008 R2 SP1 SP1, Citrix XenApp 6.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 5.0/6.5/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 5.0/7.0/7.5 (for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 Rd 2012 R2 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 Rd 2012 R2 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 Rd 2012 R2 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 Rd 2012 R2 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2012 R2 SP1 Terminal Services, 32- and 64-bit, Citrix XenDesktop 7.0/7.5 (for Windows Server 2013/2003 R2 32-bit (SP17)SP2) Standard/Enterprise (Patchetter Version 8 Terminal Services, Windows Server 2003/2003 R2 32-bit (SP17)SP2), Standard/Enterprise (Patchetter (* Cluster & Terminal Services, Windows Server 2003/2003 R2 32-bit (SP17)SP2), Standard/Enterprise (Patchetter (* Cluster & Terminal Services, Windows Server 2012/2012 R2 64-bit (SP17)Standard/Foundation/Essentials/Datacenter (* Cluster & Terminal Services, Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (* Cluster & Terminal Services, Wi			
Minimum System Requirements	PC: 2 GB available hard disk space; OS hardware requi	rements see microsoft.com; MAC: 1.3 GB available hard drive space; Internet; 0	OS hardware requirements see Apple.com for more info	
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 Requirements: 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; Power Consumption: 780 watts (printing), 15.3 watts (ready), 3.1 watts (sleep), <0.1 watts (Auto Off/Manual On), <0.1 watts (Manual Off) ³			
Acoustics	Acoustic Power Emissions: 7.1 B(A); Acoustic Pressure Emissions: 56 dB(A) Acoustic Power Emissions: 7.0 B(A); Acoustic Pressure Emissions: 55 dB(A) Acoustic Power Emissions: 7.0 B(A); Acoustic Pressure Emissions: 55 dB(A)			
Operating Environment	Operating Temperature Range: 15 to 27%; Recommended Operating Temperature: 59 to 80.6%; Storage Temperature Range: -4 to 104%; Non-Operating Humidity Range: 10 to 80% RH; Operating Humidity Range: 30 to 70% RH; Recommended Humidity Operating Range: 10 to 90% RH			
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 WM-10 IPsec configuration Plug-in; 802.1 X authentication (EAP-PEAP; EAP-TLS); SemPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (luses 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 accessable in Arcsight and Splunk SIEMs			

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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 115V device. ⁵ Average color composite (CIMP) and black declared vields 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 Any require a firmware upgrade to be compatible, download at http://www.hp.com/go/support. ⁷ 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. ¹⁰ 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 MeMic is non-volatile storage; Firmware encryption (AES 128 or AES 256) of customer/job data; Secure Cryptographic Erase – Disb Data; Secure Erase – Dis