Data sheet

HP LaserJet Enterprise M507 series

Redefine long-term expectations

Choose an HP LaserJet Enterprise printer designed to handle business solutions securely and efficiently, and helps conserve energy with HP EcoSmart black toner. Keep up with the demands of growing business with a printer you can rely on.[1]



HP LaserJet Enterprise M507dn



HP LaserJet Enterprise M507x

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

Highlights

- Low energy consumption
- World's most secure printing[2]
- Robust mobility
- Enhanced user interface
- Enterprise manageability
- Enhanced workflows
- Compact – Small footprint
- More competitive cartridge offerings
- Competitive hardware specs



Low energy



Color touchscreen



Wireless direct



NFC

The world's most secure printing[2]

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks.
- Firmware is automatically checked during startup to determine if it's authentic code – digitally signed by HP.

Low costs, low energy use

- Stay productive with reliable cartridges, and help save energy while printing with HP EcoSmart black toner.[1]
- Spend less time replacing toner, and more on business. Choose optional high-yield toner cartridges.[3]
- Enhanced energy savings — up to 29% over prior products[1] plus save with Auto-on/Auto-off technology.[4]
- This printer fits in tight places to boost performance in almost any workspace.

A whole fleet at your control

- Centralise control of your printing environment with HP Web Jetadmin[5] – and help build business efficiency.
- Gain insights into print costs, behaviors, utilization to drive efficiencies with this cloud-based printer.
- Set security configuration policies and automatically validate settings for every HP printer in your fleet.[6]

Enhanced productivity keeps business moving

- Submit print jobs on the go and securely release them at any HP Roam-enabled office printer, securely.[7]
- Don't wait for documents. Print your first page in as little as 10 seconds from energy-efficient sleep mode.

Product walkaround

HP LaserJet Enterprise M507x shown

1. 2nd generation Hardware Integration Pocket
2. Easy-access USB port
3. Top cover release button
4. 100 sheet multipurpose tray 1 supports media sizes up to 216 x 356 mm
5. 550 sheet input tray 2 supports media sizes up to 216 x 356 mm
6. 550 sheet input tray 3 supports media sizes up to 216 x 356 mm
7. 10.9 cm colour touchscreen
8. 250 sheet output bin
9. Top cover (access to JetIntelligence toner cartridge)
10. Automatic two-sided printing
11. Dual-band Wi-Fi® with Bluetooth® Low Energy
12. Slot for cable-type security lock
13. Gigabit Ethernet, Host USB port
14. Hi-Speed USB 2.0 printing port
15. USB port for connecting external USB devices



Series at a glance





Model	HP LaserJet Enterprise M507dn	HP LaserJet Enterprise M507x
Product number	1PV87A	1PV88A
Print speed (black)	Up to 43 ppm (default) ; Up to 50 ppm (HP High Speed)	
Control panel	6.9 cm LCD with keypad	10.9 cm touchscreen
Automatic two-sided printing	Yes	
100 sheet multipurpose tray 1, 550 sheet input tray 2	Yes	
Standard 550 sheet paper tray 3	Not available	Yes
Optional 550 sheet paper tray	Add up to 3	Add up to 2
Optional printer cabinet	Add up to 1	
Input capacity (standard/maximum)	Up to 650/2,300 sheets	Up to 1,200/2,300 sheets
Recommended Monthly Page Volume	2,000 to 7,500 pages	
Cartridge yield	Black: 5,000 sheets (standard)/10,000 sheets (high-yield)/20,000 sheets (extra-high-yield)	
Wireless direct printing/NFC touch-to-print	Optional	Built-in wireless direct printing; Optional NFC touch-to-print
Dual-band Wi-Fi® with Bluetooth® Low Energy	Optional	Built-in

Accessories, Supplies and Support

Supplies	**CF289A** HP 89A Black Original LaserJet Toner Cartridge (~5,000 pages)
	CF289X HP 89X High Yield Black Original LaserJet Toner Cartridge (~10,000 pages)
	CF289Y HP 89Y Extra High Yield Black Original LaserJet Toner Cartridge (~20,000 pages)
	CF289YC HP 89Y Black Contract LaserJet Toner Cartridge (20,000 pages)
Accessories	**2MU47A** HP Accessibility Assistant
	2NR12A HP Removable Hard Drive Enclosure
	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	5EL03A HP Secure Hard Disk Drive with FIPS Validation (TAA Compliant)
	B5L28A HP Internal USB Ports
	B5L29A HP High-Performance Secure Hard Disk
	F2A72A HP LaserJet 550-sheet Paper Tray
	F2A73A HP LaserJet Printer Cabinet
	G6W84A HP 1 GB 90-pin DDR3 DIMM
	J8030A HP Jetdirect 3000w NFC/Wireless Accessory
	J8031A HP Jetdirect 2900nw Print Server
Service and Support	**UB6Z2E** HP 3 years Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service **UB6Z3E** HP 4 years Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service **UB6Z4E** HP 5 years Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service **UB7A4PE** HP 1 year Post Warranty Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service **UB7A5PE** HP 2 years Post Warranty Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service

Technical specifications

Model	HP LaserJet Enterprise M507dn	HP LaserJet Enterprise M507x
Product number	1PV87A	1PV88A
Functions	Print	
Control panel	6.86 cm (2.7 in) QVGA LCD (colour graphics) display with 24-key pad	10.92 cm (4.3 in) Colour Graphics Display (CGD) with touchscreen; Rotating (adjustable angle) display; Home button
Print		
Print technology	Laser	
Print speed[1]	**Black (A4, normal)** Up to 43 ppm (default) ; Up to 50 ppm (HP High Speed) ; **Black (A4, duplex)**: Up to 34 ipm	
First page out[2]	**Black (A4, ready)**: As fast as 5.9 sec ; **Black (A4, sleep)**: As fast as 10 sec	
Print resolution	**Black (best)**: Up to 1200 x 1200 dpi ; **Technology**: 300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200	
Monthly duty cycle[3]	Up to 150,000 pages A4; **Recommended monthly page volume**[4]: 2,000 to 7,500	
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 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 World Type); 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	
Print area	**Print margins** 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)	

Model	HP LaserJet Enterprise M507dn	HP LaserJet Enterprise M507x
Product number	1PV87A	1PV88A
Processor speed	1.2 GHz	
Connectivity		
Standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket; 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy
Optional	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); Second Ethernet port (optional).	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); Embed 802.11a/b/g/n wireless networking and second Ethernet port.
Wireless	Optional, enabled with purchase of a wireless hardware accessory. Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Yes, built-in Embedded Wi-Fi with Dual band Wireless Station and Wi-Fi Direct functionality and BLE.
Mobile printing capability[5]	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™	
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, Stateful via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPs, Telnet, TFTP Config, Syslog; Security: SNMPv3, SSL Cert Management, IPSec/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); second Ethernet port (optional); Microsoft Universal Print (MUP) support	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); Embedd 802.11a/b/g/n wireless networking and second Ethernet port; Microsoft Universal Print (MUP) support
Hard disk	Optional, 500 GB minimum encrypted hard disk drive	
Memory	**Standard**: 512 MB; **Maximum**: 1.5 GB MAX memory, when Accessory DIMM is installed	
Media handling		
Number of paper trays	**Standard**: 2 ; **Maximum**: 5	**Standard**: 3 ; **Maximum**: 5
Media types	Paper (bond, colour, plain, preprinted, prepunched, recycled, rough); Envelopes; Labels; Cardstock; Transparencies; User-defined	
Media size	**Custom (metric)**: Tray 1: 76.2 x 127 to 215.9 x 355.6 mm; Tray 2: 105 x 148 to 215.9 x 355.6 mm; Optional 550 sheet Tray: 105 x 148 to 215.9 x 355.6 mm ; **Supported (metric)**: Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340 mm), 16K, postcards (JIS single and double), envelopes (B5, C5, C6, DL); Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), Oficio (216 x 340 mm), 16K, postcards (JIS double); Optional 550 sheet Tray: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), Oficio (216 x 340 mm), 16K, postcards (JIS double); Optional Automatic Duplexer: A4, RA4, Oficio (216 x 340 mm)	
Media handling	**Standard input**: 100 sheet multipurpose Tray 1, 550 sheet input Tray 2, automatic duplex printing **Standard output**: 250 sheet output bin **Optional input**: Up to 3 optional 550 sheet paper feeders	**Standard input**: 100 sheet multipurpose Tray 1, 550 sheet input Trays 2 and 3, automatic duplex printing **Standard output**: 250 sheet output bin **Optional input**: Up to 2 optional 550 sheet paper feeders

Model	HP LaserJet Enterprise M507dn	HP LaserJet Enterprise M507x
Product number	1PV87A	1PV88A
Media weight	Tray 1: 60 to 200 g/m²; Tray 2, 3: 60 to 120 g/m²;	
Input capacity	**Tray 1**: Sheets: 100; Transparencies: 50; Envelopes: 10 **Tray 2**: Sheets: 550 **Tray 3**: Sheets: 550 **Maximum**: Up to 2,300 sheets	
Output capacity	**Standard**: Up to 250 sheets Envelopes: Up to 10 envelopes Transparencies: Up to 75 sheets **Maximum**: Up to 250 sheets	
Compatible operating systems	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, 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 http://www.hp.com/go/upd	
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, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, 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 http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers-, Supported for Compatible Network Operating systems please see http://www.hp.com/go/upd	
Minimum system requirements	**Windows**: 2 GB available hard disk space, Internet connection, USB port, Internet browser, for additional OS hardware requirements, see http://www.microsoft.com; **Mac**: 2 GB available hard disk space, Internet connection or USB port, OS hardware requirements, see http://www.apple.com	
Software included	No software solutions are included in the Box, only on http://www.hp.com, http://www.123.hp.com	
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, ...); Connection Inspector - helps ensure network connections to device are safe; Security management: Compatible with HP JetAdvantage Security Manager; HP Printer Security Plugin for Microsoft SCCM; Device Security Syslog Messages processed and accessible in ArcSight, Splunk, and McAfee(ESM) 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)	**Minimum** 418 x 376 x 299 mm; **Maximum**: 418 x 639 x 299 mm	**Minimum** 418 x 376 x 481 mm; **Maximum**: 418 x 639 x 481 mm
Printer weight	11.48 kg	16.34 kg
Operating environment	**Temperature**: 10 to 32.5°C; **Humidity**: 30 to 70% RH	
Storage conditions	**Temperature**: -20 to 40°C	
Acoustics	**Acoustic power emissions**: 6.9 B(A); **Acoustic pressure emissions**: 55 dB(A)	**Acoustic power emissions**: 6.8 B(A); **Acoustic pressure emissions**: 54 dB(A)
Power[6]	**Requirements**: Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 4 A ; **Consumption**: 601 (Active Printing), 7.60 (Ready), 2.61 watts (Sleep), 0.06 watts (Auto-Off), 0.06 watts (Off), Auto Off/Wake on LAN 0.73 Watt ; **Typical Electricity Consumption (TEC)**[7]: 1.257 kWh/Week (Blue Angel); 0.420 kWh/Week (Energy Star 3.0) ; **Power supply type**: Built-in 115V or 220V Power Supply	**Requirements**: Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 4 A ; **Consumption**: 601 (Active Printing), 7.60 (Ready), 2.61 watts (Sleep), 0.06 watts (Auto-Off), 0.06 watts (Off), Auto Off/Wake on LAN 0.73 Watt ; **Typical Electricity Consumption (TEC)**[7]: Blue Angel: 1.257 kWh/Week; Energy Star 3.0: 0.420 kWh/Week ; **Power supply type**: Built-in 115V or 220V Power Supply
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology	
Certifications	**Electromagnetic emission standard**: CISPR 22:2008 (International) - Class A, CISPR32:2012 (International) - Class A, EN 55032:2012 (EU) - Class A, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010, EMC Directive 2014/30/EU, Issue 6 Class A. Other EMC approvals as required by individual countries. CECP; Blue Angel; ENERGY STAR® certified	**Electromagnetic emission standard**: CISPR 22:2008 (International) - Class A, CISPR32:2012 (International) - Class A, EN 55032:2012 (EU) - Class A, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010, EMC Directive 2014/30/EU, Issue 6 Class A. Other EMC approvals as required by individual countries. Blue Angel; EPEAT® Silver; CECP; ENERGY STAR® qualified
Sustainable impact specifications	Mercury free	
Blue Angel compliant	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies	
Country of origin	Made in Philippines; Made in Japan; Made in Brazil	Made in Philippines
What's in the box[8]	1PV87A HP LaserJet Enterprise M507dn Printer; HP Original LaserJet Toner Cartridge (5,000 pages); Regulatory flyer (CD replacement); Unpack flyer; Installation guide; Power cord; Warranty cards; Support flyers/number list	1PV88A HP LaserJet Enterprise M507x Printer; HP Original LaserJet Toner Cartridge (5,000 pages); Regulatory flyer (CD replacement); Unpack flyer; Installation guide; Power cord; Warranty cards; Support flyers/phone number list
Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to http://www.hp.com/support to learn about HP award winning service and support options in your region.	

Footnotes

[1] 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 hp.com/go/roam.
[2] Based on HP review of 2018 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/printersecurityclaims.
[3] High Yield Black Original LaserJet Toner Cartridges not included, please purchase separately.
[4] HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings.
[5] HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin.
[6] HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit http://www.hp.com/go/securitymanager.
[7] Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at http://www.hp.com/go/mobileprinting.

Technical specifications disclaimers

[1] 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.
[2] 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.
[3] 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.
[4] HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
[5] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB.
[6] 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.
[7] 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.
[8] In box cartridge yields 5,000 black pages based on ISO/IWC 19752 and continuous printing. Actual pages may vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies.

http://www.hp.com/uk

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