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

### HP'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 |

## Configurable Items, 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 | **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<br>**UB6Z3E** HP 4 years Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service<br>**UB6Z4E** HP 5 years Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service<br>**UB7A4PE** HP 1 year Post Warranty Next Business Day with Defective Media Retention for LaserJet Enterprise M507 service<br>**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);<br>**Black (A4, duplex)**: Up to 34 ipm; | |
| First page out[2] | **Black (A4, ready)**: As fast as 5.9 sec;<br>**Black (A4, sleep)**: As fast as 10 sec; | |
| Print resolution | **Black (best)**: Up to 1200 x 1200 dpi;<br>**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] | Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; ROAM capable for easy printing | Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; ROAM optional for easy printing; Wi-Fi® Direct printing |
| 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 | HP Jetdirect 2900nw Print Server J8031A | HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A; HP Jetdirect 3100w BLE/NFC/Wireless |
| 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) | |

| Model | HP LaserJet Enterprise M507dn | HP LaserJet Enterprise M507x |
|---|---|---|
| Product number | 1PV87A | 1PV88A |
| Media handling | **Standard input**: 100 sheet multipurpose Tray 1, 550 sheet input Tray 2, automatic duplex printing<br>**Standard output**: 250 sheet output bin<br>**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<br>**Standard output**: 250 sheet output bin<br>**Optional input**: Up to 2 optional 550 sheet paper feeders |
| 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<br>**Tray 2**: Sheets: 550<br>**Tray 3**: Sheets: 550<br>**Maximum**: Up to 2,300 sheets | |
| Output capacity | **Standard**: Up to 250 sheets<br>Envelopes: Up to 10 envelopes<br>Transparencies: Up to 75 sheets<br>**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;<br>**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 accessable 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; |
| Package dimensions (W x D x H) | 497 x 398 x 466 mm | 671 x 497 x 465 mm |
| Printer weight | 11.48 kg | 16.34 kg |
| Package weight | 14.3 kg | 22.6 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;<br>**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;<br>**Typical Electricity Consumption (TEC)**[7]: 1.257 kWh/Week (Blue Angel); 0.420 kWh/Week (Energy Star 3.0);<br>**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;<br>**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;<br>**Typical Electricity Consumption (TEC)**[7]: Blue Angel: 1.257 kWh/Week; Energy Star 3.0: 0.420 kWh/Week;<br>**Power supply type**: Built-in 115V or 220V Power Supply; |
| Energy savings feature technology | HP Auto-On/Auto-Off Technology; Instant-on Technology | |
| Certifications | 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.<br>Blue Angel; CECP; EPEAT® Gold; ENERGY STAR® qualified | 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.<br>Blue Angel; EPEAT® Silver; CECP; ENERGY STAR® qualified |
| Sustainable impact specifications | Mercury free | |
| Blue Angel compliant | Yes, Blue Angel DE-UZ 205—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] | 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 | 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 HP in-class printers. 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.
[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.

www.blauer-engel.de/uz205

http://www.hp.com/uk

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