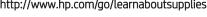Datasheet

HP LaserJet Enterprise M507 series

Handle business solutions securely, plus help conserve energy with HP EcoSmart toner

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.[8]

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. http://www.hp.com/go/learnaboutsupplies

HP LaserJet Enterprise M507dn

HP LaserJet Enterprise M507n

HP LaserJet Enterprise M507x

The world's most secure printing[1]

- 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.[8]
- Spend less time replacing toner, and more on business. Choose optional high-yield toner cartridges.[2]
- Enhanced energy savings — up to 29% over prior products[8] plus save with Auto-on/Auto-off technology.[3]
- This printer fits in tight places to boost performance in almost any workspace.

Your whole fleet. At your control.

- Centralize control of your printing environment with HP Web Jetadmin[4]—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.[5]

Enhanced productivity keeps business moving

- Submit print jobs on the go and securely release them at any HP Roam-enabled office printer, securely.[7]
- Easily print from a variety of smartphones and tablets—generally no setup or apps required.[6]
- Don't wait for documents. Print your first page in as little as 10 seconds from energy-efficient sleep mode.

HP LaserJet Enterprise M507x

Product walkaround

1. 2nd generation Hardware Integration Pocket[1]
2. Easy-access USB port[2]
3. Top cover release button
4. 100-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
5. 550-sheet input tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
6. 550-sheet input tray 3 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)[3]
7. 4.3-inch (10.9 cm) color touchscreen[4]
8. 250-sheet output bin
9. Top cover (access to JetIntelligence toner cartridge)
10. Automatic two-sided printing[5] Dual-band Wi-Fi® with Bluetooth® Low Energy[6]
11. Slot for cable-type security lock
12. Gigabit Ethernet, Host USB port
13. Hi-Speed USB 2.0 printing port
14. USB port for connecting external USB devices

Front view

Series at a glance

Model	HP LaserJet Enterprise M507x	HP LaserJet Enterprise M507dn	HP LaserJet Enterprise M507n
Product number	1PV88A	1PV87A	1PV86A
Print speed (black)[7]	Up to 45/43 pages per minute (ppm) (letter/A4) (all models)		
Control panel	4.3-inch (10.9 cm) touchscreen	2.7-inch (6.9 cm) LCD with keypad	
Automatic two-sided printing	√		Manual (driver support provided)
100-sheet multipurpose tray 1, 550-sheet input tray 2	√		
Standard 550-sheet paper tray 3	√	Not available	
Optional 550-sheet paper tray	Add up to three		
Optional printer cabinet	Add up to one (all models)		
Input capacity (standard/maximum[8])	Up to 650/2,300 sheets		
Hardware Integration Pocket[1]	√		Not available
Recommended Monthly Page Volume[9]	2,000 to 7,500 pages (all models)		
Cartridge yield[10]	Black: ~5,000/10,000/20,000 (standard/high-yield/extra-high-yield) (all models)		
Wireless direct printing[11]/NFC touch-to-print[12]	Built-in wireless direct printing; optional NFC touch-to-print	Optional	
Dual-band Wi-Fi® with Bluetooth® Low Energy[6]	Built-in	Optional	

[1] Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. The HP LaserJet Enterprise M507dn and M507x models include a second-generation HIP. The M507n does not include a HIP.
[2] An administrator must enable the easy-access USB port before use.
[3] Tray 3 is only standard on the M507x model.
[4] The HP LaserJet Enterprise M507x model comes with a 4.3-inch (10.9 cm) touchscreen control panel. The HP LaserJet Enterprise M507n and M507dn models come with a 2.7-inch (6.9 cm) display with 24-key pad.
[5] Automatic two-sided printing is not available on the HP LaserJet Enterprise M507n.
[6] Dual-band Wi-Fi® with Bluetooth® Low Energy is standard on the HP LaserJet Enterprise M507x and optional on the M507n and M507dn models with the addition of the HP Jetdirect 3100w BLE/NFC/Wireless Accessory (3JN69A). If selected, you cannot also select the HP Jetdirect 2900nw Print Server (J8031A).Wireless operations are compatible with 2.4 GHz and 5 GHz operations only. Wi-Fi is a registered trademark of Wi-Fi Alliance®. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. Learn more at hp.com/go/mobileprinting.
[7] Measured 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.
[8] Purchase of optional paper trays required to reach maximum input capacity.
[9] Recommended Monthly Page Volume: 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.
[10] Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies.
[11] Wireless direct printing is standard on the HP LaserJet Enterprise M507x. The M507n and M507dn models can add wireless direct printing with purchase of the optional HP Jetdirect 3000w NFC/Wireless Direct Accessory. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct–capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see hp.com/go/businessmobileprinting.
[12] Touch-to-print capability requires purchase of the optional HP Jetdirect 3100w BLE/NFC/Wireless Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see hp.com/go/businessmobileprinting.

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.

For carepack availability visit: hp.com/go/cpc

Top features

HP printers have the industry's strongest security[1] because they're always on guard, continually detecting and stopping threats while adapting to new ones. And only HP printers automatically self-heal from attacks, so IT doesn't need to intervene.

Good resource management is good business. Help reduce costs and energy use with an HP LaserJet designed to be more efficient than its predecessors, using HP JetIntelligence toner cartridges. HP, like you, is committed to keeping business moving.

Every business values a problem solver. Help get more control with a robust management system and solutions that keep up with modern business.

Easy-to-use features, fast print speeds, and simple mobile printing options help you keep up with the speed of business.

Accessories

2MU47A	HP Accessibility Assistant
2NR12A	HP Removable Hard Drive Enclosure
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
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
1PV95A	HP USB Port 100pc M507/M528 Accy
5EL03A	HP TAA Version Secure Hard Disk Drive
G6W84A	HP 1GB 90-Pin DDR3 DIMM
X3D03A	HP USB Universal Card Reader
Y7C05A	HP HIP2 Keystroke Reader
4QL32A	HP Legic Card Reader

Supplies

CF289A	HP 89A Black Original LaserJet Toner Cartridge
CF289X	HP 89X High Yield Black Original LaserJet Toner Cartridge
CF289Y	HP 89Y Extra High Yield Black Original LaserJet Toner Cartridge

Services

UB6Z2E	HP 3 Year Next Business Day Onsite Service
UB6Z3E	HP 4 Year Next Business Day Onsite Service
UB6Z4E	HP 5 Year Next Business Day Onsite Service
U9JT3E	Installation Service w/Network Setup

HP LaserJet Enterprise M507 series

Technical Specifications	HP LaserJet Enterprise M507dn(1PV87A)	HP LaserJet Enterprise M507n(1PV86A)	HP LaserJet Enterprise M507x(1PV88A)
Print speed	Letter: Up to 45 ppm black; [13]; First Page Out Black (ready): As fast as 5.9 sec; First Page Out Black (sleep): As fast as 10 sec; [14]		
Print resolution	Black (best): Up to 1200 x 1200 dpi		
Print Technology	Laser; Print Resolution Technologies: 300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200		
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 Device Toolbox; HP JetAdvantage Security Manager; HP Printer Assistant; HP Web JetAdmin Software; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility and Driver Deployment Utility; Managed Printing Administrator)		
Standard Connectivity	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 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
Network Capabilities	HP Jetdirect 2900nw Print Server J8031A	HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A; HP Jetdirect 3100m BLE/NFC/Wireless	
Wireless Capability	Optional, enabled with purchase of a wireless hardware accessory. Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100m BLE/NFC/Wireless Accessory 3JN69A, 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	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; ROAM capable for easy printing[7]	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; ROAM optional for easy printing[7]	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; ROAM optional for easy printing; Wi-Fi® Direct printing[7]
Memory	Standard: 512 MB; Maximum: 1.5 GB MAX memory, when Accessory DIMM is installed		
Processor Speed	1.2 GHz ; Hard disk: Optional, 500 GB minimum encrypted hard disk drive		
Duty Cycle	Monthly: Up to 150,000 pages[8]; Recommended Monthly Page Volume: 2,000 to 7,500[9]		
Paper Handling	Input Capacities: 100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing; Up to 650 sheets standard labels legal; Output Capacities: 250-sheet output bin; Up to 250 sheets standard labels legal; Duplex Options: Automatic (standard); Envelope Feeder: No; Standard Paper Trays: 2; Media Types Supported: Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; Media Weight Supported: Tray 1: 16 to 53 lb; tray 2+: 16 to 32 lb; Media Sizes Supported: Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in; Media Sizes Custom: Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in	Input Capacities: 100-sheet multipurpose Tray 1, 550-sheet input tray 2; Up to 650 sheets standard labels legal; Output Capacities: 250-sheet output bin; Up to 250 sheets standard labels legal; Duplex Options: Manual (driver support provided); Envelope Feeder: No; Standard Paper Trays: 2; Media Types Supported: Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; Media Weight Supported: Tray 1: 16 to 53 lb; tray 2+: 16 to 32 lb; Media Sizes Supported: Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in; Media Sizes Custom: Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in	Input Capacities: 100-sheet multipurpose Tray 1, 550-sheet input Trays 2 and 3, automatic duplex printing; Up to 1200 sheets standard labels legal; Output Capacities: 250-sheet output bin; Up to 250 sheets standard labels legal; Duplex Options: Automatic (standard); Envelope Feeder: No; Standard Paper Trays: 3; Media Types Supported: Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; Media Weight Supported: Tray 1: 16 to 53 lb; tray 2+: 16 to 32 lb; Media Sizes Supported: Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in; Media Sizes Custom: Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in
Product Dimensions	W x D x H: 16.46 x 14.80 x 11.77 in; 418 x 376 x 299 mm; Maximum: 16.46 x 25.16 x 11.77 in; 418 x 639 x 299 mm	W x D x H: 16.46 x 14.80 x 11.77 in; 418 x 376 x 299 mm; Maximum: 16.46 x 25.16 x 11.77 in; 418 x 639 x 299 mm	W x D x H: 16.46 x 14.80 x 18.94 in; 418 x 376 x 481 mm; Maximum: 16.46 x 25.16 x 18.94 in; 418 x 639 x 481 mm
Product Weight	25.5 lb[2]; 11.48 kg	24.7 lb[2]; 11.21 kg	36.3 lb[2]; 16.34 kg
What's in the box	HP LaserJet Enterprise M507 Printer; Black Toner Cartridge (5K) (installed); Regulatory flyer (CD replacement); Unpack Flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/number list[1]		
Warranty Features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirement. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G; wty ID A001)		
Energy Efficiency Compliance	Blue Angel; CECP; EPEAT® Gold; ENERGY STAR® qualified	CECP	Blue Angel; EPEAT® Silver; CECP; ENERGY STAR® qualified
Control Panel	2.7-in (6.86 cm) QVGA LCD (color graphics) display with 24-key pad	2.7-in (6.86 cm) QVGA LCD (color graphics) display with 24-key pad	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Home button
Display Description	2.7-in (6.86 cm) QVGA LCD (color graphics)	2.7-in (6.86 cm) QVGA LCD (color graphics)	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle)
Software Included	No software solutions are included in the Box, only on http://www.hp.com/support		
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		
Compatible Operating Systems	Android, Linux Boss (5.0), Linux Debian (7.0-8.6), Linux Fedora (22-24), Linux Mint (17-17.3) 18, Linux Red Hat Enterprise (6 & 7), Linux SUSE (13.2 & 42.1), Linux Ubuntu (12.04 & 14.04 & 15.1 & 16.04 & 16.10), MacOS High Sierra 10.13, MacOS Mojave 10.14, MacOS X 10.15, Windows 7-32, Windows 7-64, Windows 8.1-32, Windows 8.1-64, Windows 10-32, Windows 10-64, UNIX		
Compatible Network Operating Systems	Windows Server 2008-32, Windows Server 2008-64, Windows Server 2008 R2-64, Windows Server 2012-64, Windows Server 2012 R2-64, Windows Server 2016-64, Windows Server 2019, Citrix with Microsoft Windows Server 2012 and 2012 R2 Editions and Microsoft Server 2016, Citrix XenApp and XenDesktop 7.x, Citrix with Microsoft Windows Server 2008 R2 SP1 Edition, Citrix XenApp 6.0, Citrix XenApp 6.5, Citrix XenApp and XenDesktop 7.5 (supports Windows Server 2008 R2 SP1 operating system.), Citrix XenServer 6.x+, Windows 7 SPI (32-bit / 64-bit) recommend iPrint Client v5.99+, Windows 8 (32-bit / 64-bit) recommend iPrint Client v5.99+, Windows 8.1 (32-bit / 64-bit) recommend iPrint Client v5.99+, Novell / Micro Focus (Novell iPrint has been rebranded to Micro Focusgoto https://www.novell.com/products/iprint/), Novell iPrint Appliance Server Platforms supported, Novell iPrint Appliance v1.1, Novell iPrint Clients supported (recommend iPrint v5.94 or newer for all Windows Platforms), Novell Open Enterprise Server 11 / SP1, Services Terminal Server Cluster Server, VMware ESX 4.x+ Workstation 9.x+, XEN on SUSE Linux Enterprise Server (SLES) 11 / SP3		
Minimum System Requirements	PC: 2 GB available hard disk space, Internet connection, USB port, Internet browser. (For Additional OS hardware requirements see microsoft.com;; MAC: 2 GB Available hard drive Space, Internet connection or USB port, OS hardware requirements see apple.com;		
Power	Power Supply Type: Built-in 115V or 220V Power Supply; Power Requirements: Input voltage: 100 V to 127 V nominal (+/-10%), 50 - 60 Hz nominal (+/- Hz), 7.5 A; Input voltage: 220 V to 240 V nominal (+/-10%), 50 - 60 Hz nominal (+/- Hz), 4 A; Power 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[3]		
Acoustics	Acoustic Power Emissions: 6.9 B(A); Acoustic Pressure Emissions: 55 dB(A)[15]	Acoustic Power Emissions: 6.9 B(A); Acoustic Pressure Emissions: 55 dB(A)[12]	Acoustic Power Emissions: 6.8 B(A); Acoustic Pressure Emissions: 54 dB(A)[12]
Operating Environment	Operating Temperature Range: 10 to 32.5°C; Recommended Operating Temperature: 15 to 27°C; Storage Temperature Range: -20 to 40°C; Operating Humidity Range: 10 to 80% RH; Recommended Humidity Operating Range: 30 to 70% 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 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		

Learn more at hp.com