Data sheet

HP LaserJet Enterprise M507dn

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.



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:

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.[7]
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 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 your HP Secure Print-enabled office printer.[8]
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

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 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[3]
7. 10.9 cm (4.3-inch) colour touchscreen[4]
8. 250-sheet output bin
9. Top cover (access to JetIntelligence toner cartridge)
10. Automatic two-sided printing[5]
11. Dual-band Wi-Fi® with Bluetooth® Low Energy[6]



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)
Accessories	**4QL32A** HP Legic Secure USB Reader
	B5L28A HP Internal USB Connectors
	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
	J8031A HP Jetdirect 2900nw Print Server
	X3D03A HP USB Universal Card Reader
Service and Support	**UB6Z2E** HP 3 years Next Business Date w/DMR LaserJet Enterprise M507 SVC **UB6Z3E** HP 4 years Next Business Date w/DMR LaserJet Enterprise M507 SVC **UB6Z4E** HP 5 years Next Business Date w/DMR LaserJet Enterprise M507 SVC **UB6Z5E** HP 3 years 4 hours 9x5 w/DMR LaserJet Enterprise M507 SVC **UB6Z6E** HP 4 years 4 hours 9x5 w/DMR LaserJet Enterprise M507 SVC **UB6Z7E** HP 5 years 4 hours 9x5 w/DMR LaserJet Enterprise M507 SVC

[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-keypad. [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

Technical specifications

Model	**HP LaserJet Enterprise M507dn**
Product number	1PV87A
Functions	Print
Control panel	2.7-in (6.86 cm) QVGA LCD (color graphics) display with 24-key pad
Print	
Print technology	Laser
Print speed[11]	**Print speed black (Landscape, A5)**: Up to 65 ppm ; **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	**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[7]	Up to 150,000 pages A4; **Recommended monthly page volume**[8]: 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)
Fax specifications	
Processor speed	1.2 GHz
Storage	4 GB EMMC
Connectivity	
Standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket
Optional	HP Jetdirect 2900nw Print Server J8031A
Mobile printing capability	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
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
Media types	Paper (bond, color, letterhead, 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), 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), 16K, postcards (JIS double); Optional 550-sheet Tray: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), Oficio (216 x 340), 16K, postcards (JIS double); Optional Automatic Duplexer: A4, RA4, Oficio (216 x 340)
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
Media weight	Tray 1: 60 to 200 g/m²; Tray 2+: 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 2300 sheets
Output capacity	**Standard:** Up to 250 sheets **Envelopes:** Up to 10 envelopes Transparencies: Up to 75 sheets **Maximum:** Up to 250 sheets
Envelope feeder	No
Compatible operating systems	Windows 11; Windows 8; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave
Compatible network operating systems	Windows 11; Windows Server; Windows Client OS; Citrix
Minimum system requirements	**Windows**: 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;
Software included	No software solutions are included in the Box, only on http://hp.com, http://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
Printer weight	11.48 kg
Operating environment	**Temperature**: 10 to 32.5°C **Humidity**: 30 to 70% RH
Storage conditions	**Temperature**: -20 to 40°C
Acoustics[15]	**Acoustic power emissions**: 6.9 B(A) **Acoustic pressure emissions**: 55 dB(A)
Power[3]	**Requirements**: Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 7.5 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 4 A. Not dual voltage, power supply varies by part number with # Option code identifier.; **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)**[4]: 1.257 kWh/Week (Blue Angel); 0.420 kWh/Week (Energy Star 3.0); **Power supply type**: Built-in 115V or 220V Power Supply
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Certifications[11]	**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, FCC CFR 47 Part 15 Class A/ICES-003, Issue 6 Class A. Other EMC approvals as required by individual countries. CECP; Blue Angel; ENERGY STAR® certified **Blue Angel compliant** Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Sustainable impact specifications	Mercury free
Country of origin	Made in Philippines; Made in Japan (201, AAZ); Made in Brazil (696, 697, AC8)
What's in the box[1]	1PV87A HP LaserJet Enterprise M507dn Printer; HP Original LaserJet Toner Cartridge (~5,000 pages); Regulatory flyer (CD replacement); Chile Regulatory flyer (#AC8); Unpack Flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/number list; USB-8ft cable (APJ region only)
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 hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G; wty ID A001)
Engine life	300000

Footnotes

[1] 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
[2] High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately
[3] HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings.
[4] HP Web Jetadmin is available for download at no additional charge at http://www.hp.com/go/webjetadmin
[5] HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit http://www.hp.com/go/securitymanager
[6] Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see hpconnected.com.
[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
[8] HP Secure Print is optional and requires a license.
[9] 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.

Technical specifications disclaimers

[1] 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.
[2] With print cartridges
[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. Power consumption values typically based on measurement of 115V device.
[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] Best TEC is not applicable to the ES 2.0 TEC. This measurement was made with the printer configuration optimized for energy efficiency. Minimum Sleep Delay was used, Wi-Fi Direct was disabled, and Active I/O - Energy Efficient Ethernet was used.
[6] 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
[7] 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.
[8] 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.
[9] HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit http://www.hp.com/go/SureSupply.
[10] FCC Class A emissions - for use in commercial environments, not residential environments
[11] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[12] Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm
[13] 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.
[14] Requires HP FutureSmart 5.8.1.1 or later.
[15] Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm.

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