Data sheet

HP LaserJet Enterprise MFP M528 series

Redefine long-term expectations

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





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 cartridges offerings
- Competitive hardware specs



Color touchscreen



Low energy

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

- Avoid frustrating reprints, wasted supplies, and service calls using Original HP Toner cartridges.
- 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 MFP 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]
- Submit print jobs on the go and securely release them at any HP Roam-enabled office printer, securely.[7]

Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages – every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimised.
- Load up to 100 pages into the automatic document feeder for fast, unattended scanning.[8]

Product walkaround

HP LaserJet Enterprise Flow MFP M528z shown

1. 100-sheet ADF with single-pass, two-sided scanning and HP EveryPage
2. 2nd generation Hardware Integration Pocket
3. Easy-access USB port
4. 250-sheet output bin
5. Top cover (access to Original HP JetIntelligence toner cartridge)
6. 100-sheet multipurpose tray 1 supports media sizes up to 216 x 356 mm
7. 550-sheet input tray 2 supports media sizes up to 216 x 356 mm
8. 20.3 cm pivoting colour touchscreen
9. Pull-out keyboard
10. Convenience stapler
11. Automatic two-sided printing
12. Dual-band Wi-Fi® with Bluetooth® Low Energy
13. Slot for cable-type security lock
14. Gigabit Ethernet
15. Hi-Speed USB 2.0 printing port
16. USB port for connecting external USB devices



Series at a glance







Model	HP LaserJet Enterprise MFP M528dn	HP LaserJet Enterprise MFP M528f	HP LaserJet Enterprise Flow MFP M528z
Product number	1PV64A	1PV65A	1PV67A
Functions	Print, scan, copy (fax optional)	Print, scan, copy, fax	
Print speed (black)	Up to 43 ppm (default) ; Up to 50 ppm (HP High Speed)		
Convenience stapler	Not available	Yes	
Advanced workflow features	Not available		Yes
Automatic two-sided printing	Yes		
100 sheet multipurpose tray 1, 550 sheet input tray 2	Yes		
Optional 550 sheet paper tray	Add up to 3		
Optional printer cabinet	Add up to 1		
Input capacity (standard/max)	Up to 650/2,300 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)		
HP High-Performance Secure Hard Disk	Not available	Yes	
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)
Accessories	**E5K48A** HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
	F2A72A HP LaserJet 550-sheet Paper Tray
	F2A73A HP LaserJet Printer Cabinet
Service and Support	**UB7B2E** HP 3 years Next Business Day with Defective Media Retention for LaserJet M528 Service **UB7B3E** HP 4 years Next Business Day with Defective Media Retention for LaserJet M528 Service **UB7B4E** HP 5 years Next Business Day with Defective Media Retention for LaserJet M528 Service **UB7C4PE** HP 1 year Post Warranty Next Business Day with Defective Media Retention for LaserJet M528 Service **UB7C5PE** HP 2 years Post Warranty Next Business Day with Defective Media Retention for LaserJet M528 Service

Technical specifications

Model	HP LaserJet Enterprise MFP M528dn	HP LaserJet Enterprise MFP M528f	HP LaserJet Enterprise Flow MFP M528z
Product number	1PV64A	1PV65A	1PV67A
Functions	Print, copy, scan and optional fax	Print, copy, scan, fax	
Control panel	20.3 cm (8.0 in) colour LCD with touchscreen; Rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu)		20.3 cm (8.0 in) colour LCD with touchscreen; Rotating (adjustable angle) display; Illuminated Home button (for quick return to the Home menu); Integrated keyboard
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 6 sec ; **Black (A4, sleep)**: As fast as 13 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	Up to 150,000 pages A4; **Recommended monthly page volume**[3]: 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)		
Copy			
Copy speed[4]	**Black (A4)**: Up to 43 cpm (default) ; Up to 50 cpm (HP High Speed)		
Copier specifications	Two-sided copying; Scalability; Image adjustments (darkness, contrast, background cleanup, sharpness); N-up; N or Z-ordering; Content orientation; Collation; Booklet; Job build; Edge-to-edge job storage; ID copy; Book copy; A-to-B copy (different media sizes); ; **Maximum number of copies**: Up to 9999 copies; **Reduce/Enlarge**: 25 to 400%		
First copy out	**A4**: As fast as 6.5 sec; **Black**: Up to 45 ppm/45 ipm (black and white), up to 40 ppm/40 ipm (colour) Color;; **2-sided A4**: Up to 34 cpm		**A4**: As fast as 6.5 sec; **2-sided A4**: Up to 34 cpm
Copy resolution	**Color (text and graphics)**: Up to 600 x 600 dpi		
Scan			
Scan speed[5]	**Normal (A4)**: Up to 43 ppm/43 ipm (black and white), up to 38 ppm/38 ipm (colour); **Duplex (A4)**: Up to 43 ipm (black and white), up to 38 ipm (colour)		**Normal (A4)**: Up to 45 ppm/64 ipm (black and white), up to 45 ppm/58 ipm (colour); **Duplex (A4)**: Up to 64 ipm (black and white), up to 58 ipm (colour)
Scan file format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A		Digital Send: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, XPS, PDF/A, TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Scanner specifications	**Scanner type**: Flatbed, ADF; **Scan technology**: Contact Image Sensor (CIS); **Scan input modes**: Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OXP) applications; **Duplex ADF scanning**: Yes, single pass duplex scanning; **Optical scan resolution**: Up to 600 dpi		
Scanner advanced features	Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge erase; Job notification; Blank page suppression; HP Quick Sets		Optimise text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect colour; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR); Auto crop to page; Auto-tone

Model	HP LaserJet Enterprise MFP M528dn	HP LaserJet Enterprise MFP M528f	HP LaserJet Enterprise Flow MFP M528z
Product number	1PV64A	1PV65A	1PV67A
Recommended monthly scan volume	4000 to 7000		8000 to 14,000
Scannable area	**Maximum media size (flatbed)**: 216 x 356 mm; **Minimum media size (ADF)**: 101.6 x 148 mm **Maximum media size (ADF)**: 216 x 864 mm		
Bit depth/ Grey scale levels	24-bit / 256		
Digital sending	Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF ; Optional: Authentication; Digital fax (send to LAN, Internet); HP Digital Sending Software; Local Address Book; OCR; Send-to-folder; Send-to-printer; Send-to-workflow	Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to LAN Fax; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF ; Optional: Authentication; Digital fax (send to LAN, Internet); HP Digital Sending Software; Local Address Book; OCR; Send-to-folder; Send-to-printer; Send-to-workflow	Standard: Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Send to Internet Fax; OCR; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Colour Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR ; Optional: Authentication; Digital fax (send to LAN, Internet); HP Digital Sending Software; Local Address Book; OCR; Send-to-folder; Send-to-printer; Send-to-workflow
Fax			
Fax	Optional,	Yes, 33.6 kbps	
Fax specifications		**Fax memory**: Up to 500 pages; **Fax resolution**: Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 203 x 392 or 300 x 300 dpi; **Quick dialing**: Up to 1000 numbers (each with 210 destinations)	
Fax smart software features		Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule	
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	2 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket; 1 fax	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket; 1 Fax; 1 Wi-Fi direct 802.11b/g/n; 1 Bluetooth low energy
Optional	HP Jetdirect 2900nw Print Server J8031A; HP Jetdirect 3000w NFC/Wireless Accessory J8030A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A		
Wireless	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 3100w 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[6]	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; Roam capable for easy printing	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; Roam capable for easy printing; Wireless 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	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); Optional 802.11a/b/g/n wireless networking and second Ethernet port; 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		Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)	
Memory	**Standard**: 1.25 GB (printer); 512 MB (Scanner); **Maximum**[17]: 3.75 GB MAX memory, when Accessory DIMM is installed		
Media handling			
Number of paper trays	**Standard**: 2 **; 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), 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) **; ADF**: Oficio; Executive; Statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS)		
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**: Optional 550 sheet tray (add up to 3 trays) **ADF**: Standard, 100 sheets	**Standard input**: 100 sheet multipurpose Tray 1, 550 sheet input Tray 2, automatic duplex printing **Standard output**: 250 sheet output bin, convenience stapler **Optional input**: Optional 550 sheet tray (add up to 3 trays) **ADF**: Standard, 100 sheets	
Media weight	Tray 1: 60 to 200 g/m²; Tray 2, 3: 60 to 120 g/m²; **ADF**: 45 to 200 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 **ADF**: Standard, 100 sheets		
Output capacity	**Standard**: Up to 250 sheets Envelopes: Up to 10 envelopes Transparencies: Up to 75 sheets **Maximum**: Up to 250 sheets		

Model	HP LaserJet Enterprise MFP M528dn	HP LaserJet Enterprise MFP M528f	HP LaserJet Enterprise Flow MFP M528z
Product number	1PV64A	1PV65A	1PV67A
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://www.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://www.citrixready.citrix.com, Linux for more information see http://www.developers.hp.com/hplinuximagingandprinting, Unix for more information see http://www.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** 482 x 496 x 497 mm; **Maximum**: 507 x 631 x 497 mm		
Printer weight[7]	21.41 kg	21.95 kg	22.13 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**: 6.8 B(A); **Acoustic pressure emissions**: 54 dB(A)		
Power[8]	**Requirements**: Input voltage: 220V to 240V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 4 A ; **Consumption**: 629 watts (Printing), 28.8 watts (Ready), 5.3 watts (Sleep), 0.74 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off) ; **Typical Electricity Consumption (TEC)**[9]: Blue Angel: 1.414 kWh/Week; Energy Star 3.0: 0.446 kWh/Week ; **Power supply type**: Built-in 115V or 220V Power Supply	**Requirements**: Input voltage: 100V to 127V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 7.5 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 4 A. Not dual voltage, power supply varies by part number with # Option code identifier. ; **Consumption**: 629 watts (Printing), 28.8 watts (Ready), 5.3 watts (Sleep), 0.74 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off) ; **Typical Electricity Consumption (TEC)**[9]: Blue Angel: 1.414 kWh/Week; Energy Star 3.0: 0.446 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; Instant-on Copy		
Certifications[10]	TUV and GS Mark (Germany), Nemko, Fimko, Demko, Semko (Nordic), Eastern European approvals, CE Marking, Energy Star, TCO '99, Windows certified (Microsoft Windows 2000 and Microsoft Windows XP), UL listed **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; EPEAT® Silver registered configurations available; ENERGY STAR® certified	TUV and GS Mark (Germany), Nemko, Fimko, Demko, Semko (Nordic), Eastern European approvals, CE Marking, Energy Star, TCO '99, Windows certified (Microsoft Windows 2000 and Microsoft Windows XP), UL listed **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; EPEAT® Silver registered; ENERGY STAR® certified **Telecom compliance**: Telecom wired: ES 203 021-1 v2.1.1/ES 203 021-2 v2.1.2/ES 203 021-3 v2.1.2; Other Telecom approvals as required by individual countries.	TUV and GS Mark (Germany), Nemko, Fimko, Demko, Semko (Nordic), Eastern European approvals, CE Marking, Energy Star, TCO '99, Windows certified (Microsoft Windows 2000 and Microsoft Windows XP), UL listed **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; EPEAT® Gold registered; ENERGY STAR® certified **Telecom compliance**: Telecom Wireless: RSS 247 Issue 2, 2017 & RSS 102 Issue 5, 2015; EN 300 328 V2.1.1; EN 301 893 V2.1.1; Other Telecom approvals as required by individual countries. Telecom wired: ES 203 021-1 v2.1.1/ES 203 021-2 v2.1.2/ES 203 021-3 v2.1.2; Other Telecom approvals as required by individual countries.
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 Netherlands		
What's in the box[11]	1PV64A HP LaserJet Enterprise M528dn MFP; HP Original LaserJet Introductory Toner Cartridge (7,500 pages); Regulatory flyer (CD replacement); Unpack flyer; Installation guide; Power cord; Warranty cards; Support flyers/phone number list	1PV65A HP LaserJet Enterpris M528f MFP; HP Original LaserJet Toner Cartridge Introductory (7,500 pages); Regulatory flyer (CD replacement); Unpack flyer; Installation guide; Power cord; Warranty cards; Support flyers/phone number list; Fax cable	1PV67A HP LaserJet Enterprise Flow M528z MFP; HP Original LaserJet Introductory Toner Cartridge (7,500 pages); Regulatory flyer (CD replacement); Unpack flyer; Installation guide; Power cord; Warranty cards; Support flyers/phone number list; Control panel overlay label sets (flow); Fax Cable
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] HP calculations based on Energy Star normalised TEC data comparing the HP LaserJet 500 series monochrome printers introduced in spring 2019 HP 89A/X/Y compared to HP 87A/X.
[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 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] 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 http://www.hp.com/go/roam.
[8] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

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] 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.
[4] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity.
[5] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[6] 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 http://www.hp.com/go/roam.
[7] With print cartridges.
[8] 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.
[9] 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.
[10] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[11] In box cartridge yields 7,500 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.



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