HP LaserJet Pro MFP M428fdn

Lighten your workload, focus on your business

Winning in business means working smarter. The HP LaserJet Pro MFP M428 is designed to let you focus your time where it's most effective – growing your business and staying ahead of the competition.
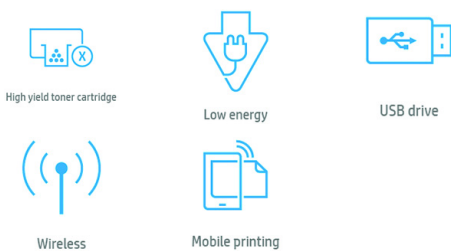
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This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and 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

- 2 sided printing
- Embedded Security features
- HP Roam enabled
- Up to 24% energy savings
- High yield toner cartridge

High yield toner cartridge

Low energy

USB drive

Wireless

Mobile printing

Built to keep you – and your business – moving forward

- Scan files directly to Microsoft® SharePoint, email, USB, and network folders.[1]
- Help save time by automating all the steps in a complicated workflow and use at a touch of a button.[2]
- Print effortlessly from any device, virtually anywhere, to any HP printer – securely through the cloud.[3]

Best-in-class security – detect and stop attacks[4]

- A suite of embedded security features help protect your MFP from being an entry point for attacks.[4]
- Help ensure the security of confidential information with optional PIN/Pull printing to retrieve print jobs.[5]
- Optional HP JetAdvantage Security Manager lets you set configuration.
- Thwart potential attacks and take immediate action with instant notification of security issues.[6]

Simply designed to uncomplicate your day

- Set up this MFP fast, and easily manage device settings to help increase overall printing efficiency.
- Tackle tasks quickly and easily – with the simple 6.8 cm colour touchscreen.
- Print Microsoft office formatted files in addition to pdfs right off your USB drive.[7]
- Avoid interruptions with an HP LaserJet MFP designed to be streamlined for maximum productivity.

Sustainability is smart business

- Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges.
- Help save paper right out of the box. The duplex print setting is set at default paper savings mode.[8]
- Saves up to 22% over prior products.[9]
- Help save energy with HP Auto-on/Auto-off technology.[10]

Product walkaround

HP LaserJet Pro M428fdw shown

1. Dual-band Wi-Fi with Bluetooth® Low Energy for easy wireless printing and setup

2. 6.9 cm customisable colour touchscreen control panel (tilts up for easier viewing)

3. Easy-access USB port

4. 100 sheet multipurpose tray 1 supports media sizes up to 216 x 356 mm

5. Rear door (access to the print path)

6. Hi-Speed USB 2.0 port, USB port for job storage and PIN printing, Gigabit Ethernet LAN port, fax port

7. 50 sheet automatic document feeder (ADF) with single-pass, two sided scanning

8. Flatbed scanner handles media sizes up to 216 x 356 mm

9. 150 sheet output bin

10. Front door release button

11. Front door (access to HP EcoSmart black toner cartridges)

12. Automatic two-sided printing

13. 250 sheet input tray 2 supports media sizes up to 216 x 356 mm

Accessories, Supplies and Support

Supplies	**CF259XC** HP 59X Black Contract LaserJet Toner Cartridge (10,000 pages)
Accessories	**D9P29A** HP LaserJet Pro 550-sheet Feeder Tray
Service and Support	**UB9R7E** HP 3 year Next Business Day LaserJet Pro MFP M428 Service **UB9S2PE** HP 1 year Post Warranty Next Business Day LaserJet Pro MFP M428 Service

Technical specifications

Model	HP LaserJet Pro MFP M428fdn
Product number	W1A29A
Functions	Print, Copy, Scan, Fax, Email
Control panel	6.86 cm (2.7 in) Colour Touchscreen
Print	
Print technology	Laser
Print speed[1]	**Black (A4, normal):** Up to 38 ppm (default) ; Up to 40 ppm (HP High Speed) ; **Black (A4, duplex):** Up to 31 ipm
First page out[2]	**Black (A4, ready):** As fast as 6.3 sec ; **Black (A4, sleep):** As fast as 8.8 sec
Print resolution	**Black (best):** Fine Lines (1200 x 1200 dpi) ; **Technology:** HP FastRes 1200, HP ProRes1200, Economode
Monthly duty cycle[3]	Up to 80,000 pages A4; **Recommended monthly page volume**[4]: 750 to 4,000
Printer smart software features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, ROAM capable for easy printing, HP ePrint, and HP Auto-On/Auto-Off Technology, Intuitive 6.86 cm (2.7 in) touchscreen control panel, Scan/Print from Cloud using apps on the control panel, Job Storage with PIN printing, Print from USB, N-up printing, collation
Standard print languages	HP PCL 6, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
Fonts and typefaces	84 scalable TrueType fonts
Print area	**Print margins** Top: 5 mm, Bottom: 5 mm, Left: 4 mm, Right: 4 mm; Maximum print area : 207.4 x 347.1mm
Duplex printing	Automatic (default)
Copy	
Copy speed[5]	**Black (A4):** Up to 38 cpm
Copier specifications	ID Copy; Number of copies; Resize (including 2-Up); Lighter/Darker; Enhancements; Original Size; Binding Margin; Collation; Tray Selection; Two-Sided; Quality (Draft/Normal/Best); Save Current Settings; Restore Factory Defaults; **Maximum number of copies**: Up to 999 copies; **Reduce/Enlarge:** 25 to 400%
Scan	
Scan speed[6]	**Normal (A4):** Up to 29 ppm/46 ipm ;**Duplex (A4):** Up to 46 ipm
Scan file format	PDF, JPG, TIFF
Scanner specifications	**Scanner type** Flatbed, ADF; **Scan technology:** Contact Image Sensor (CIS); **Scan input modes:** Front-panel scan, copy, email, or file buttons; HP Scan software, and user application via TWAIN or WIA; **Twain version:** Version 2.3; **Duplex ADF scanning:** Yes; **Optical scan resolution:** Up to 1200 x 1200 dpi
Scanner advanced features	Single-pass 2-sided scanning ADF; Scan to cloud (Google Drive and DropBox); Scan to email with LDAP email address lookup; Scan to network folder; Scan to USB; Scan to Microsoft SharePoint®; Scan to computer with software; Fax archive to network folder; Fax archive to email; Fax to computer; Enable/disable fax; Quick Sets
Recommended monthly scan volume	750 to 4000
Scannable area	**Maximum media size (flatbed):** 216 x 297 mm ;**Minimum media size (ADF):** 102 x 152 mm **Maximum media size (ADF):** 216 x 356 mm
Bit depth/ Grey scale levels	24-bit / 256
Digital sending	Standard: Scan to email with LDAP email address lookup; Scan to network folder; Scan to USB; Scan to Microsoft SharePoint®; Scan to computer with software; Fax archive to network folder; Fax archive to email; Fax to computer; Enable/disable fax; Quick Sets
Fax	
Fax[7]	Yes, 33.6 kbps
Fax specifications	**Fax memory:** Up to 400 pages; **Fax resolution:** Standard: 203 x 98 dpi; Fine: Up to 203 x 196 dpi; Superfine: Up to 300 x 300 dpi (no halftone); **Quick dialing:** Up to 120 numbers
Fax smart software features	Permanent fax memory backup; Auto fax reduction; Auto redialing; Delayed sending; Fax forwarding; TAM interface; Junk barrier; Distinctive ring detection; Cover page; Block fax; Billing codes; Save and load; Fax activity reports; Dial prefix setting; Print fax log; HP Digital Fax
Processor speed	1200 MHz
Connectivity	
Standard	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE)
Mobile printing capability[8]	HP Smart App; HP ePrint; Apple AirPrint™; Mobile Apps; Mopria™ Certified; Google Cloud Print™
Supported network protocols	TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, HP ePrint, Apple AirPrint™, Google Cloud Print 2.0, Mopria, IPP Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6), SSL Security and Certificate management; Management: SNMPv1, SNMPv2, SNMPv3, HTTP/HTTPS, Syslog, FTP FW Download
Network capabilities	Yes, via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
Hard disk	No
Memory	**Standard:** 512 MB ;**Maximum:** 512 MB
Media handling	
Number of paper trays	**Standard:** 2 ;**Maximum:** 3
Media types	Paper (plain, EcoEFFICIENT, light, heavy, bond, coloured, preprinted, prepunched, recycled, rough); Envelopes; Labels
Media size	**Custom (metric):** Tray 1: 76.2 x 127 to 215.9 x 355.6 mm; Tray 2, 3: 104.9 x 148.59 to 215.9 x 355.6 mm **Supported (metric):** Tray 1: A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; Custom Size; Statement; Tray 2 & Tray 3: A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Custom Size; A5-R; B6 (JIS) **ADF:** A4; Custom sizes 102 x 152 to 216 x 356 mm
Media handling	**Standard input:** 100 sheet tray 1, 250 sheet input tray 2, 50 sheet Automatic Document Feeder (ADF) **Standard output:** 150 sheet output bin **Optional input:** Optional third 550 sheet tray
Media weight	Tray 1: 60 to 200 g/m²; Tray 2: Optional 550 sheet; Tray 3: 60 to 120 g/m²
Input capacity	**Tray 1:** Sheets: 100; Envelopes: 10 **Tray 2:** Sheets: 250 **Tray 3:** Sheets: 550 (optional) **Maximum:** Up to 900 sheets (with Optional 550 sheet tray) **ADF:** Standard, 50 sheets
Output capacity	**Standard:** Up to 150 sheets Envelopes: Up to 10 envelopes **Maximum:** Up to 150 sheets
Compatible operating systems	Windows 11; Windows 10; Windows 8; Windows 8.1; 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 8; Windows 7; Windows Server; Linux; Citrix; UNIX
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, for additional 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/laserjet
Security management	Secure Boot, Secure Firmware Integrity, Runtime Code Integrity, password protected EWS, secure browsing via SSL/TLS 1.0, TLS 1.1, TLS 1.2, IPP over TLS; Network: enable/disable network ports and features, unused protocol and service disablement, SNMPv1, SNMPv2, and SNMPv3, community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication, LDAP authentication and authorization, firewall and ACL, control panel lock, certificates configuration, UPD PIN printing, Syslog, signed firmware, administrator settings, access control, 802.1x authentication (EAP-TLS, and PEAP), Encrypted data storage, Secure data erase, automatic firmware updates, Secure Encrypted Print via optional job storage, compatible with optional HP JetAdvantage Security Manager
Printer management	HP Printer Assistant, HP Utility (Mac), 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)[9]	**Minimum** 420 x 390 x 323 mm; **Maximum:** 430 x 634 x 325 mm
Printer weight	12.6 kg
Operating environment	**Temperature:** 10 to 32.5°C **Humidity:** 30 to 70% RH
Storage conditions	**Temperature:** -20 to 40°C
Acoustics[10]	**Acoustic power emissions:** 6.7 Bel(A) (Printing at 38 ppm) **Acoustic pressure emissions:** 53 dB(A)
Power[11]	**Requirements:** Input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); **Consumption:** 510 watts (Active Printing), 7.5 watts (Ready), 0.9 watts (Sleep), 0.9 watts (Auto Off/Wake on LAN, enabled at shipment), 0.06 watts (Auto Off/Manual On), 0.06 (Manual Off); **Typical Electricity Consumption (TEC)**[12]: Blue Angel: 1.144 kWh/Week; Energy Star 3.0: 0.4125 kWh/Week; **Power supply type:** Internal (Built-in) power supply
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Certifications[13]	TUV and GS Mark (Germany), Eastern European approvals, CE Marking **Electromagnetic emission standard:** CISPR 32:2012/EN 55032:2012 - Class B, CISPR 32:2015/EN 55032:2015 - Class B, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010+A1:2015 CECP; ENERGY STAR® qualified; EPEAT® Silver **Blue Angel compliant** Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies **Telecom compliance:** Fax Telecom: ETSI ES 203 021; Other Telecom approvals as required by individual countries.
Sustainable impact specifications	Mercury-free
Country of origin	Made in China
What's in the box[14]	W1A29A HP LaserJet Pro M428fdn; Preinstalled HP 59A Black LaserJet Toner Cartridge (yield: 3,000 pages); Getting started guide; Support flyer; Warranty guide; Regulatory flyer; Power cord; Phone cord; HP printer software is available at http://www.hp.com/support
Warranty	One-year Bench/Depot Repair 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. (wty code 4E; wty ID A033)

Footnotes

[1] Some scan apps may require an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see http://www.hpconnected.com

[2] Connect printer/MFP to the network and complete customisation through the Embedded Web Server.

[3] 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 or accessory may be required. For more information, visit http://hp.com/go/roam.

[4] Based on HP review of 2019 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://hp.com/go/PrintersThatProtect. For more information: http://hp.com/go/printersecurityclaims.

[5] Additional solution such as HP Access Control or HP JetAdvantage Private Print is required to use optional proximity card reader. Pin printing enabled via USB installed in rear of device.

[6] Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions.

[7] Microsoft and PowerPoint are U.S. registered trademarks of the Microsoft group of companies. Feature works with Microsoft Word and PowerPoint 2003 and later. Only Latin language fonts are supported.

[8] Pin printing enabled via USB installed in rear of device.

[9] Based on HP Internal testing using normalised TEC Value, 2019.

[10] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

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] 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.

[6] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[7] Rates achieved with Fast (V.34), standard resolution and simple images.

[8] Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. For more information visit http://www.hp.com/go/mobileprinting. 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.

[9] Without trays and covers extended.

[10] Acoustic values are subject to change. For current information see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 38 ppm.

[11] 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 115 V device.

[12] TEC is equal to Best TEC. 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.

[13] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[14] In box cartridge yield: 3,000 black pages based on ISO/IWC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see: http://www.hp.com/go/learnaboutsupplies. Pages may vary based on customer printing conditions and usage.

http://www.hp.com/uk