

# HP LaserJet Pro MFP M428dw



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.



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>

## Built to keep you—and your business—moving forward

- Scan files directly to Microsoft® SharePoint, email, USB, and network folders.<sup>1</sup>
- Help save time by automating all the steps in a complicated workflow and use at a touch of a button.<sup>2</sup>
- Print wirelessly even without the network, stay connected with dual band Wi-Fi and Wi-Fi direct.<sup>3,4,5</sup>
- Print effortlessly from any device, virtually anywhere, to any HP printer—securely through the cloud.<sup>6</sup>

## Best-in-class security—detect and stop attacks<sup>7</sup>

- A suite of embedded security features help protect your MFP from being an entry point for attacks.<sup>7</sup>
- Help ensure the security of confidential information with optional PIN/Pull printing to retrieve print jobs<sup>8</sup>
- Optional HP JetAdvantage Security Manager lets you set configuration
- Thwart potential attacks and take immediate action with instant notification of security issues.

## 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 2.7" (6.8cm) color touchscreen.
- Print Microsoft office formatted files in addition to pdfs right off your USB drive.<sup>9</sup>
- 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.<sup>10</sup>
- Saves up to 24% over prior products.<sup>11</sup>
- Help reduce wasted paper by only printing the jobs that are truly needed.



<sup>1</sup> Requires an Internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see <http://hpconnected.com>. <sup>2</sup> Connect printer/MFP to the network and complete customization through the Embedded Web Server. <sup>3</sup> Wireless operations are compatible with 2.4 GHz and 5 GHz operations. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://hp.com/go/mobileprinting>. <sup>4</sup> Feature only supported on the HP LaserJet Pro MFP M428dw and M428fdw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections. <sup>5</sup> Feature is supported on the HP LaserJet Pro MFP M428dw and M428fdw only. Mobile device needs to be connected directly to the WiFi network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at <http://hp.com/go/businessmobileprinting>. <sup>6</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Wnergy (BLE) beaconing capabilities. Subscription or accessory may be required. For more information, visit <http://hp.com/go/roam>. <sup>7</sup> 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>. <sup>8</sup> Pin printing enabled via USB installed in rear of device. <sup>9</sup> 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. <sup>10</sup> All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers. <sup>11</sup> Based on HP Internal testing using normalized TEC Value, 2019.

HP LaserJet Pro MFP M428dw Specifications Table

Functions / Multitasking Supported	Print, Copy, Scan, Email
Print Speed	<b>Letter:</b> Up to 40 ppm black; <sup>8</sup> <b>First Page Out:</b> As fast as 6.1 sec black; <sup>10</sup>
Duplex Print Speed	<b>Letter:</b> Up to 33 ipm
Print Resolution	<b>Black (best):</b> HP FastRes1200 (Up to 3600 x 600 dpi)
Print Technology	Laser
Print Resolution Technologies	HP FastRes1200, HP ProRes1200, 600dpi
Print Cartridges Number	1 (black)
Standard Print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
Printer Smart Software Features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, HP ePrint, and Wi-Fi Direct Printing, ROAM enabled for easy printing, HP Auto-On/Auto-Off Technology, Intuitive 2.7" 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
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 Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
Scan Type / Technology	Flatbed, ADF / Contact Image Sensor (CIS)
Scan Resolution	<b>Hardware:</b> Up to 1200 x 1200 dpi; <b>Optical:</b> Up to 1200 x 1200 dpi
Scan File Format	PDF, JPG, TIFF
Scan Input Modes	Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWAIN or WIA
Scan Size	<b>ADF:</b> 8.5 x 14 in Maximum; 4 x 6 in Minimum; <b>Flatbed:</b> 8.5 x 11.7 in
Scan Speed	Up to 31 ppm/49 ipm (b&w), up to 21 ppm/36 ipm (color) <sup>14</sup> <b>Duplex:</b> Up to 49 ipm (b&w), up to 36 ipm (color)
Scanner Advanced Features	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, Quick Sets
Native Scan File Format	PDF, JPG
Software Scan File Format	Windows HP Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, BMR, PNG, TIFF. Mac HP Easy Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, JPG-2000, PNG, TIFF;
Bit depth / Grayscale levels	24-bit / 256
Digital Sending Standard Features	Scan to email with LDAP email address lookup, Scan to network folder, Scan to USB, Scan to Microsoft SharePoint®, Scan to computer with software, Quick Sets
Copy Speed	<b>Black (letter):</b> Up to 40 cpm; <sup>6</sup>
Copy Resolution	<b>Black (text and graphics):</b> Up to 600 x 600 dpi; <b>Color (text and graphics):</b> Up to 600 x 600 dpi
Maximum Number Of Copies	Up to 999 copies
Copier Resize	25 to 400%
Copier Settings	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
Fax Features	<b>Auto Fax Reduction Supported:</b> No; <b>Auto-Redialing:</b> No; <b>Distinctive Ring Detection Supported:</b> No
Standard Connectivity	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet LAN 10/100/1000BASE-T network; 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio
Network Capabilities	Yes, via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
Wireless Capability	Yes, built-in dual-band Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct; Bluetooth Low-Energy
Mobile Printing Capability	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; Roam capable for easy printing; Wi-Fi® Direct Printing <sup>5</sup>
Memory	<b>Standard:</b> 512MB DDR; 512MB Flash; <b>Maximum:</b> 512MB DDR; 512MB Flash
Processor Speed	1200 MHz / <b>Hard disk:</b> No
Duty Cycle	<b>Monthly, letter:</b> Up to 80,000 pages <sup>11</sup>
Recommended Monthly Page Volume	750 to 4000 <sup>12</sup>
Media Types Supported	Paper (plain, EcoEffICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels;
Media Weight Supported	Tray 1: 16 to 46.6 lb; tray 2, optional 550-sheet tray 3: 16 to 32 lb

Media Sizes Supported	Tray 1: Letter; Legal; Executive; Oficio (8.5 x 13 in); 16K; Japanese Postcard; Double Japan Postcard Rotated; Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; Custom Size; 4 x 6 in; 5 x 8 in; Statement; Tray 2 & Tray 3: Letter; Legal; Executive; Oficio (8.5 x 13 in); Custom Size; 5 x 8 in; Statement
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in, Tray 2, 3: 4.13 x 5.85 to 8.5 x 14 in
Paper Handling	100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF); 150-sheet output bin; <b>Duplex Options:</b> Automatic (default); <b>Auto Document Feeder Capacity:</b> Standard, 50 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Input Capacities:</b> Up to 350 sheets (Tray 1: up to 100 sheets, Tray 2: up to 250 sheets); <b>Output Capacities:</b> Up to 150 sheets; Up to 10 envelopes
What's in the box	<b>W1A28A</b> HP LaserJet Pro M428dw; Preinstalled HP Black LaserJet Toner Cartridge (59A for EMEA, 58A for AMS, 76A for AP, yield ~3,000 pages); Getting Started Guide; Support Flyer; Warranty Guide; Regulatory Flyer; Power cord; USB cable. HP printer software is available at <a href="http://www.hp.com/support">http://www.hp.com/support</a> <sup>17</sup>
Replacement Cartridges	AMS: For distribution and use in North America and Latin America only: HP 58A Black LaserJet Toner Cartridge (~3,000 pages), CF258A HP 58X Black LaserJet Toner Cartridge (~10,000 pages), CF258X; EMEA: For distribution and use in Europe, Middle East, Russia, CIS, and Africa only: HP 59A Black LaserJet Toner Cartridge (~3,000 pages), CF259A HP 59X Black LaserJet Toner Cartridge (~10,000 pages), CF259X; AP: For distribution and use only in Asia Pacific - excluding China (PRC) and India: HP 76A Black LaserJet Toner Cartridge (~3,000 pages), CF276A HP 76X Black LaserJet Toner Cartridge (~10,000 pages), CF276X <sup>3</sup>
Product Dimensions	<b>W x D x H:</b> 16.54 x 15.35 x 12.72 in <sup>1</sup> ; <b>Maximum:</b> 16.93 x 25 x 12.8 in
Product Weight	27.78 lb
Warranty Features	One-year warranty, return to HP Authorized Service Provider
Energy Efficiency Compliance	ENERGY STAR® qualified; EPEAT® Silver; Blue Angel
Control Panel	2.7" Color Touchscreen
Display Description	2.7" (6.86 cm) intuitive color touchscreen (CGD)
Software Included	No software solutions are included in the Box, only on <a href="http://hp.com">http://hp.com</a> , <a href="http://123.hp.com">http://123.hp.com</a> ;
Fonts and Typefaces	84 scalable TrueType fonts
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 <a href="http://support.hp.com">http://support.hp.com</a> , 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 <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a>
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 Print server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see <a href="http://citrixready.citrix.com">http://citrixready.citrix.com</a> , Linux- For more information see <a href="http://developers.hp.com/hp-linux-imaging-and-printing">http://developers.hp.com/hp-linux-imaging-and-printing</a> , Unix- For more information see <a href="http://hp.com/go/unixmodelscripts">http://hp.com/go/unixmodelscripts</a> , UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see <a href="http://hp.com/go/upd">http://hp.com/go/upd</a>
Minimum System Requirements	<b>PC:</b> 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">http://microsoft.com</a> ; <b>MAC:</b> 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see <a href="http://apple.com">apple.com</a> ;
Power	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> 110-volt input voltage: 110 to 127 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz) (Not dual voltage, product varies by part number with # Option code identifier); <b>Power Consumption:</b> 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) <sup>2</sup>
Acoustics	<b>Acoustic Power Emissions:</b> 6.7 Bel(A) (Printing at 38 ppm); <b>Acoustic Pressure Emissions:</b> 53 dB(A) <sup>7</sup>
Operating Environment	<b>Operating Temperature Range:</b> 50 to 90.5°F; <b>Recommended Operating Temperature:</b> 63.5 to 77°F; <b>Storage Temperature Range:</b> -4 to 104°F; <b>Operating Humidity Range:</b> 10 to 80% RH (non-condensing); <b>Recommended Humidity Operating Range:</b> 30 to 70% RH
Security Management	Secure Boot, secure firmware integrity, runtime code integrity, password protect 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 community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic 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 SNMPv3, 802.1x wireless authentication (EAP-TLS, LEAP, and PEAP), authentication via WEP, WPA/WPA2 Personal, WPA2-enterprise wired; encryption via AES or TKIP; Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager, IPPS
Accessories	HP LaserJet 550-sheet Feeder Tray D9P29A; HP v222w 16 GB Mini USB Drive POR81AA

Learn more at [hp.com](http://hp.com)

<sup>1</sup> Without trays and covers not extended. <sup>2</sup> 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. <sup>3</sup> Toner cartridges designed for distribution and use within a designated region only; will not work outside of designated region. <sup>4</sup> 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> <sup>5</sup> 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 [hp.com/go/mobileprinting](http://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://hp.com/go/roam> <sup>6</sup> 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, driver, and document complexity. <sup>7</sup> Acoustic speeds 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. <sup>8</sup> 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. <sup>9</sup> Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. <sup>10</sup> 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. <sup>11</sup> 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. <sup>12</sup> 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 <sup>13</sup> HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. For more information, visit <http://www.hp.com/go/SureSupply>; only available with Original HP supplies; Internet access required. <sup>14</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. <sup>15</sup> 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.

