HP LaserJet Pro MFP M428fdn ()

Overview

The HP LaserJet Pro MFP M428-focus your time growing your business and staying ahead.

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.

Built to keep you—and your business—moving forward

Scan files directly to Microsoft® SharePoint, email, USB, and network folders.[1]

Simply designed to uncomplicate your day

Set up this MFP fast, and easily manage device settings to help increase overall printing efficiency.

Best-in-class security- detect and stop attacks[6]

A suite of embedded security features help protect your MFP from being an entry point for attacks.[6]

Sustainability is smart business

Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges

Features

Enhanced workflows

Wi-Fi-Dual band

Enhanced security

New user interface

Energy efficient

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[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

[6] 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

Specifications

Print Resolution Technologies	HP FastRes 1200, HP ProRes1200, Economode
Print Resolution Black (best)	Fine Lines (1200 x 1200 dpi)
Print Speed Black (normal, A4)	Up to 38 ppm (default) ; Up to 40 ppm (HP High Speed)
Print Speed Black (normal, letter)	Up to 40 ppm (default) ; Up to 42 ppm (HP High Speed)
Print Speed	Prints up to 40/42 ppm (A4/LTR) (HP High Speed)
Print Margin Bottom (A4)	5 mm
Print Margin Left (A4)	4 mm
Print Margin Right (A4)	4 mm
Print Margin Top (A4)	5 mm
Duplex Print Options	Automatic (default)
Duty Cycle (monthly, A4)	Up to 80,000 pages
Duty Cycle (monthly, letter)	Up to 80,000 pages[11]
Energy Savings Feature Technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
Supplies Feature	HP JetIntelligence Cartridge
Network Capabilities	Yes, via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
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
Software Included	No software solutions are included in the Box, Download software at http://123.hp.com/laserjet or http://hp.com
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
Sustainability Specifications	Mercury-free
Copy Speed Black (normal A4)	Up to 38 cpm
Copy Speed Black (normal, letter)	Up to 40 cpm
Copy Speed Black Duplex (A4)	Up to 31 cpm
Copy Speed Black Duplex (Letter)	Up to 33 cpm
Scan Speed (normal, A4)	Up to 29 ppm/46 ipm (b&w), up to 20 ppm/34 ipm (color)
Scan Speed (normal, letter)	Up to 31 ppm/49 ipm (b&w), up to 21 ppm/36 ipm (color)
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 Technology	Contact Image Sensor (CIS)
Scan Type	Flatbed, ADF
Display Area (imperial)	2.13 x 1.59 in
Display Area (metric)	5.4 x 4.05 cm
Display Description	2.7" (6.86 cm) intuitive color touchscreen (CGD)
Product Dimensions W x D x H (metric)	420 x 390 x 323 mm *(without trays and covers not extended)*
Product Dimensions W x D x H (imperial)	16.54 x 15.35 x 12.72 in *(without trays and covers not extended)*
Power Consumption Description	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)[2]
Power Supply Type	Internal (Built-in) power supply
Manufacturer 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 hp.com/support to learn about HP award winning service and support options in your region. (wty code 4E; wty ID A033)

Additional specifications

Accessories	HP LaserJet 550-sheet Feeder Tray D9P29A; HP v222w 16 GB Mini USB Drive P0R81AA
Acoustic Power Emissions (active scan)	6.3 Bel(A) (Scanning with ADF running)
Acoustic Power Emissions (active, printing)	6.7 Bel(A) (Printing at 38 ppm)
Acoustic Power Emissions (ready)	Inaudible
Acoustic Pressure Emissions Bystander (active scan)	48 dB(A) (Scanning with ADF running)
Acoustic Pressure Emissions Bystander (active, printing)	53 dB(A)
Acoustic Pressure Emissions Bystander (ready)	Inaudible
Auto Document Feeder Capacity	Standard, 50 sheets
Automatic Paper Sensor	No
Bit Depth	24-bit
Cartons Per Layer	6
Certifications and Compliances	CSA (Canada), ANZ (Australia & New Zealand), TUV and GS Mark (Germany), BSMI (Taiwan), CCC (China), KC & KCC (South Korea), NOM (Mexico), Malaysia, Singapore, Chile, Vietnam, Eastern European approvals, CE Marking, FCC approval, BIS(India), S-Mark(Argentina), UL listed and etc.
Color Scanning	Yes
Color or Black (filter)	Black and white
Compatible Network Operating Systems	Windows 11; Windows 8; Windows 7; Windows Server; Linux; Citrix; UNIX
Control Panel	2.7” Color Touchscreen
Copier Reduce/enlarge	25 to 400%
Copier Scaling (ADF)	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
Copy Resolution, Black Text	Up to 600 x 600 dpi
Copy Resolution, Color Text and Graphics	Up to 600 x 600 dpi
Count of Layers In Pallet	5 (NA), 4 (EMEA,AP)

Downloadable Software	From http://123.hp.com, HP Easy Start (Guided Software Install for Windows and Mac), From http://hp.com for Windows OS, Full-solution software and drivers, Basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, Product Documentation and Support, From http://hp.com for Mac OS, HP Easy Start (Guided Software Install), HP Mac PS Print Driver, HP Easy Admin, For Mobile OS, iOS For more information see http://hp.com/go/businessmobileprinting, Android For more information see http://hp.com/go/businessmobileprinting, From http://hp.com for printer administrators, Printer Administrator Resource Kit (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator), HP Universal Print Drivers PCL6 GDI & PS GDI for Windows, HP ePrint Software (Mobile Driver for Windows), SAP Print Drivers for more information see http://support.hp.com/us-en/document/c05051702, HP Web JetAdmin, HP JetAdvantage Security Manager, HPLIP Linux Printer Driver for more information see http://hplipopensource.com/hplip-web/index.html, Unix Model Script Printer Driver for more information see http://hp.com/go/unixmodelscripts, ReadIris
Duplex ADF Scanning	Yes
Duty Cycle Note	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.
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, FCC Title 47 CFR, Part 15 Class B / ICES-003, Issue 6;
Envelope Feeder	No
First Copy Out Black (A4)	As fast as 7.2 sec
First Copy Out Black (A4, sleep)	As fast as 9.5 sec
First Copy Out Black (letter)	As fast as 6.8 sec
First Copy Out Black (letter, sleep)	As fast as 9.1 sec
First Page Out Black (A4, ready)	As fast as 6.3 sec
First Page Out Black (A4, sleep)	As fast as 8.8 sec
First Page Out Black (letter, ready)	As fast as 6.1 sec
First Page Out Black (letter, sleep)	As fast as 8.6 sec
Fonts and Typefaces	84 scalable TrueType fonts
Grayscale Levels	256
Hard Disk	No
Input Capacity, Max	Up to 900 sheets (with Optional 550-sheet tray)
Input Capacity, Max, Envelopes	Up to 10 envelopes
Input Capacity, Std	Up to 350 sheets (Tray 1: up to 100 sheets; Tray 2: up to 250 sheets)
Key Media Sizes Supported (imperial)	4 x 6 in; Letter; Legal; Envelopes

Key Media Sizes Supported (metric)	10 x 15 cm; A4; Envelopes
Mac Compatible	Yes
Max Dimensions W x D x H (imperial)	16.93 x 25 x 12.8 in
Max Dimensions W x D x H (metric)	430 x 634 x 325 mm
Max Number Of Copies	Up to 999 copies
Maximum Memory	512 MB
Media Handling, Document Finishing	Sheetfeed
Media Size, ADF	Letter; Legal; A4; custom sizes 102 x 152 to 216 x 356 mm
Media Size, Tray 1 (metric)	Letter; Legal; Executive; Oficio (8.5 x 13 in); 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; 5 x 8 in; B6 (JIS); Statement
Media Size, Tray 2 (metric)	Letter; Legal; Executive; Oficio (8.5 x 13 in); 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; 5 x 8 in; B6 (JIS); Statement
Media Size, Tray 3 (metric)	Letter; Legal; Executive; Oficio (8.5 x 13 in); 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; 5 x 8 in; B6 (JIS); Statement
Media Sizes Custom (imperial)	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
Media Sizes 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
Media Type and Capacity ADF	Sheets: 50 uncurled
Media Type and Capacity Tray 1	Sheets: 100; Envelopes: 10
Media Type and Capacity Tray 2	Sheets: 250
Media Type and Capacity Tray 3	Sheets: 550 (optional)
Media Types	Paper (plain, EcoEFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels;
Media Weights Supported, ADF (imperial)	16 to 32 lb
Media Weights Supported, ADF (metric)	60 to 120 g/m²
Media Weights Supported, By Paper Path (Imperial)	Tray 1: 16 to 46.6 lb; tray 2, optional 550-sheet tray 3: 16 to 32 lb
Media Weights Supported, By Paper Path (metric)	Tray 1: 60 to 200 g/m² ; tray 2, optional 550-sheet tray 3: 60 to 120 g/m²
Media Weights Supported, Tray 1 (metric)	60 to 200 g/m²
Media Weights Supported, Tray 2 (metric)	60 to 120 g/m²
Media Weights Supported, Tray 3 (metric)	60 to 120 g/m² (optional 550-sheet tray)

Native Scan File Format	PDF; JPG
Number of Simultaneous Users (local + network)	3-10 Users
Operating Humidity Range	10 to 80% RH (non-condensing)
Operating Humidity Range (recommended)	30 to 70% RH
Operating Temperature Range (celsius)	10 to 32.5°C
Operating Temperature Range (fahrenheit)	50 to 90.5°F
Operating Temperature Range (recommended celsius)	15 to 27°C
Operating Temperature Range (recommended fahrenheit)	59 to 80.6°F
Output Capacity, Max	Up to 150 sheets
Output Capacity, Std	Up to 150 sheets
Output Capacity, Std, Envelopes	Up to 10 envelopes
Package Dimensions W x D x H (imperial)	19.56 x 15.66 x 19.29 in
Package Dimensions W x D x H (metric)	497 x 398 x 490 mm
Package Weight (imperial)	34.1 lb
Package Weight (metric)	15.5 kg
Pallet Dimensions (imperial)	47.24 x 39.37 x 102.56 in (NA), 47.24 x 39.37 x 83.27 in (EMEA, AP)
Pallet Dimensions W x D x H (metric)	1200 x 1000 x 2605 mm (NA), 1200 x 1000 x 2115 mm (EMEA, AP)
Pallet Weight (imperial)	1072.9 lb (NA), 868.3 lb (EMEA, AP)
Pallet Weight (metric)	487.7 kg (NA), 394.7 kg (EMEA, AP)
Paper Handling Optional/input	Optional third 550-sheet tray
Paper Handling Standard/input	100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF)
Paper Handling Standard/output	150-sheet output bin
Paper Trays, Maximum	3
Paper Trays, Standard	2
Power Supply Required	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)
Print Cartridges/Bottle, Number	1 (black)
Print Colors	No

Print Languages, Standard	HP PCL 6, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
Print Resolution Black (Fine Lines)	Fine Lines (1200 x 1200 dpi)
Print Resolution Black (normal)	Normal (native 600 x 600 dpi; enhanced up to 4800 x 600 dpi)
Print Speed Black (Landscape, A5)	Up to 63 ppm
Print Speed Black (Portrait, A5)	Up to 14 ppm
Print Speed Black Duplex (A4)	Up to 31 ipm
Print Speed Black Duplex (Letter)	Up to 33 ipm
Print Speed Footnote Number (A5)	[9]
Print Technology	Laser
Printable Area Maximum (metric)	207.4 x 347.1mm
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)
Processor Speed	1200 MHz
Product-specific Additional Information Pointer	http://www.hp.com/go/support
Quantity Per Pallet	30 (NA), 24 (EMEA,AP)
Recommended Media Weight (duplex, imperial)	16 to 32 lb
Recommended Media Weight (duplex, metric)	60 to 120 g/m²
Recommended Monthly Page Volume	750 to 4000[12]
Recommended Monthly Scan Volume	750 to 4000
Recommended Monthly Scan Volume Note	750 - 4,000
Safety Approvals and Requirements	IEC 60950-1:2005 +A1:2009+A2:2013/EN 60950-1:2006 +A11:2009+A1:2010+A12:2011+A2:2013; IEC 60825-1:2014/EN 60825-1:2014 (Class 1 Laser/LED Product); IEC 62479:2010/EN 62479:2010;
Scan Resolution, Enhanced	Up to 1200 x 1200 dpi
Scan Resolution, Hardware	Flatbed (Up to 1200 x 1200 dpi); ADF (Up to 300 x 300 dpi)
Scan Resolution, Optical	Up to 1200 x 1200 dpi
Scan Size Maximum (ADF, Imperial)	8.5 x 14 in
Scan Size Maximum (ADF,metric)	216 x 356 mm
Scan Size Maximum (flatbed, imperial)	8.5 x 11.7 in
Scan Size Maximum (flatbed, metric)	216 x 297 mm

Scan Size Minimum (ADF, imperial)	4 x 6 in
Scan Size Minimum (ADF, metric)	102 x 152 mm
Scan Speed Duplex (normal, A4)	Up to 46 ipm (b&w), up to 34 ipm (color)
Scan Speed Duplex (normal, letter)	Up to 49 ipm (b&w), up to 36 ipm (color)
Security Management	Management security: SNMP v1 v2 v3, SSL/TLS (HTTPS), 802.1x authentication; wireless network security: WPA (Wi-Fi Protected Access) WPA2 WPA3, WEP encryption (64 and 128 bit), 802.1x authentication (EAP-PEAP, LEAP, EAP-TLS) with RADIUS servers
Segment (filter)	Business
Sensor Resolution	Up to 1200 x 1200 dpi
Software Scan File Format	Windows HP Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, BMP, PNG, TIFF. Mac HP Easy Scan SW supports PDF, searchable PDF, JPG, RTF, TXT, JPG-2000, PNG, TIFF;
Standard Media Sizes (duplex, Imperial)	Letter; Legal; Oficio; A4
Standard Media Sizes (duplex, metric)	A4; Oficio; Letter; Legal
Standard Media Sizes Supported (imperial)	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
Standard Media Sizes 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); 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: 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; 4 x 6 in; B6 (JIS)
Standard Memory	512 MB
Storage Device and Direct Print Support	USB Printing; Optional job storage via external rear host USB port (Minimum 16GB)
Storage Temperature Range (celsius)	-20 to 40°C
Storage Temperature Range (fahrenheit)	-4 to 104°F
System Requirements, Macintosh, Minimum	2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com;
System Requirements, Minimum	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see http://microsoft.com
Target Number of Users and Print Volume	For teams up to 10 users; Prints up to 4,000 pages/month
Technology	Laser
Top Key Features	50-sheet ADF; Scan to Cloud/Workflow; Dual-sided scanning; Print from USB (Office Docs); Fast 2 sided printing

Twain Version	Version 2.3
Typical Electricity Consumption (TEC) number	1.144 kWh/Week (Blue Angel); 0.4125 kWh/Week (Energy Star 3.0)
Warm-up Time	As fast as 45 sec

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[2] 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.

[11] 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.

[12] 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

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