



HP LaserJet Pro MFP M428fdw (W1A30A)



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, Google Drive, Dropbox, email, USB, and network folders.[1]

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]

Simply designed to uncomplicate your day

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

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

[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 quality black (best)	Fine Lines (1200 x 1200 dpi)
Print speed black (ISO, A4)	Up to 38 ppm (default) ; Up to 40 ppm (HP High Speed)
Print speed black (ISO, 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)
Functions	Print, Copy, Scan, Fax, Email
Duplex printing	Automatic (default)
Duty cycle (monthly, A4)	Up to 80,000 pages
Duty cycle (monthly, letter)	Up to 80,000 pages ^[11]
Printer smart software features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, HP ePrint, and Wi-Fi Direct 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
Copier smart software features	Instant-on copy; Duplex copy (2-sided to 2-sided option of “book-style” or “flip style”); up to 999 multiple copies; Scan once print many; Collation; Reduce/enlarge from 25 to 400% (custom page size presets, binding margin, and two pages to one page); Fit to page; Brightness (lighter/darker); Quality (draft/normal/best); ID copy; Enhancements (optimize for content with presets: none, text, photo, mixed); Copy preview (scan glass only)
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
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
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
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; APJ: 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 ^[3]
Supplies feature	HP JetIntelligence Cartridge
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); 802.11b/g/n/2.4/5 GHZ Wi-Fi radio

Modem	33.6 kbps
Network capabilities	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	HP Smart App; HP ePrint; Apple AirPrint™; Mobile Apps; Mopria™ Certified; Wi-Fi® Direct Printing; Google Cloud Print™
Network protocols, supported	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
Sustainable impact specifications	Mercury-free
Energy star certified	Yes
Ecolabels	CECP; ENERGY STAR® qualified; EPEAT® Silver ^[16]
Blue Angel compliant	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Copy speed (black, normal quality, 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
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, Fax archive to network folder, Fax archive to email, Fax to computer, Enable/disable fax, Quick Sets
Fax Resolution Black (best)	Up to 300 x 300 dpi (halftone enabled)
Faxing	Yes
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)
Scanner type	Flatbed, ADF
Display area (imperial)	2.13 x 1.59 in

Display area (metric)	5.4 x 4.05 cm
Display	2.7" (6.86 cm) intuitive color touchscreen (CGD)
Minimum dimensions (W x D x H)	420 x 390 x 323 mm <i>(without trays and covers not extended)</i>
Minimum dimensions (W x D x H)	16.54 x 15.35 x 12.72 in <i>(without trays and covers not extended)</i>
Weight	12.6 kg
Weight	27.78 lb
Power 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) ^[2]
Power supply type	Internal (Built-in) power supply
What's in the box	HP LaserJet Pro M428fdw; Preinstalled HP Black LaserJet Toner Cartridge (58A for AMS, 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 ^[17]
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	D9P29A HP LaserJet Pro 550-sheet Feeder Tray; POR81AA HP v222w 16GB Mini USB Drive
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
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Auto fax reduction supported	Yes
Automatic document feeder capacity	Standard, 50 sheets
Automatic paper sensor	No
Bit depth	24-bit
Bottom margin (A4)	5 mm
Business filter	cMPS
Cable included	Yes, 1 USB cable
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
Compatible Network Operating Systems	Windows 11; Windows 8; Windows 7; Windows Server; Linux; Citrix; UNIX
Component type	Printer
Control panel	2.7" Color Touchscreen
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

Copies, maximum	Up to 999 copies
Copy reduce / enlarge settings	25 to 400%
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)
Country of origin	Made in Mexico (#BGJ)
Datasheet photo 1	Publication photos/W1A30A.jpg
Datasheet photo 4	Publication photos/M428 walkaround.jpg
Datasheet publication number	4AA7-4859
Distinctive ring detection supported	Yes
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
Driver updates	Latest supported operating systems and Print drivers available at http://www.hp.com/support/ljM428MFP
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.
Dynamic security	Dynamic security enabled printer
Electromagnetic compatibility	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;
Engine life	200000
Enhanced scanning resolution	Up to 1200 x 1200 dpi
Envelope Feeder	No
Fax Auto Redial	Yes

Fax Broadcast Locations	119
Fax PC Interface Supported	Yes, only for sending
Fax Polling	Yes (receive only)
Fax Speed Dials, Maximum Number	Up to 120 numbers
Fax Transmission Speed	33.6 kbps
Fax delayed sending	Yes
Fax forwarding	Yes
Fax memory	Up to 400 pages
Fax memory	Up to 400 pages
Fax phone TAM interface supported	Yes
Fax resolution black	Up to 203 x 196 dpi
Fax telephone mode supported	Yes
Fax transmission speed (letter)	3 sec per page ^[15]
Finished output handling	Sheetfeed
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
Input capacity	Up to 350 sheets (Tray 1: up to 100 sheets; Tray 2: up to 250 sheets)
Internal Storage	No
Junk fax barrier	Yes, CSID matching only (Caller ID not supported)
Left margin (A4)	4 mm
Levels of grayscale	256
Mac compatible	Yes
Maximum Input Capacity (envelopes)	Up to 10 envelopes
Maximum Memory	512 MB
Maximum dimensions (W x D x H)	16.93 x 25 x 12.8 in
Maximum dimensions (W x D x H)	430 x 634 x 325 mm
Maximum input capacity (sheets)	Up to 900 sheets (with Optional 550-sheet tray)

Maximum output capacity (sheets)	Up to 150 sheets
Maximum print area	207.4 x 347.1mm
Media size (ADF)	Letter; Legal; A4; custom sizes 102 x 152 to 216 x 356 mm
Media size, tray 1	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	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	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 supported	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)
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 supported, key	4 x 6 in; Letter; Legal; Envelopes
Media sizes supported, key	10 x 15 cm; A4; Envelopes
Media sizes, custom	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 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
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 weight (tray 1)	60 to 200 g/m ²
Media weight (tray 2)	60 to 120 g/m ²
Media weight (tray 3)	60 to 120 g/m ² (optional 550-sheet tray)
Media weight, supported	Tray 1: 16 to 46.6 lb; tray 2, optional 550-sheet tray 3: 16 to 32 lb
Media weight, supported	Tray 1: 60 to 200 g/m ² ; tray 2, optional 550-sheet tray 3: 60 to 120 g/m ²
Media weights, supported ADF	16 to 32 lb
Media weights, supported ADF	60 to 120 g/m ²
Memory	512 MB

Minimum System Requirements	2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see http://microsoft.com
Minimum System Requirements for Macintosh	2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com ;
Native scan file format	PDF; JPG
Number of print cartridges	1 (black)
Number of users	3-10 Users
Operating humidity range	10 to 80% RH (non-condensing)
Operating temperature range	50 to 90.5°F
Operating temperature range	10 to 32.5°C
Orderable supplies	CF258A HP 58A Black Original LaserJet Toner Cartridge; CF258X HP 58X High Yield Black Original LaserJet Toner Cartridge
Output capacity	Up to 150 sheets
Package dimensions (W x D x H)	19.56 x 15.66 x 19.29 in
Package dimensions (W x D x H)	497 x 398 x 490 mm
Package weight	34.1 lb
Package weight	15.5 kg
Page yield (set-up/inbox cartridges)	~3000 pages black
Pallet dimensions	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)	1200 x 1000 x 2605 mm (NA), 1200 x 1000 x 2115 mm (EMEA, AP)
Pallet weight	1072.9 lb (NA), 868.3 lb (EMEA, AP)
Pallet weight	487.7 kg (NA), 394.7 kg (EMEA, AP)
Paper handling input, optional	Optional third 550-sheet tray
Paper handling input, standard	100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF)
Paper handling output, standard	150-sheet output bin
Paper trays, maximum	3
Paper trays, standard	2
Plug and play	Auto Wireless Connect; HP Smart App
Power	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 Technology	Laser
Print colors	No
Print languages	HP PCL 6, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
Print quality black (normal)	Normal (native 600 x 600 dpi; enhanced up to 4800 x 600 dpi)

Print resolution black (fine lines)	Fine Lines (1200 x 1200 dpi)
Print speed black (Landscape, A5)	Up to 63 ppm
Print speed black (Portrait, A5)	Up to 14 ppm
Print speed duplex (A4)	Up to 31 ipm
Print speed duplex (letter)	Up to 33 ipm
Print speed footnote number (A5)	[9]
Print technology	Laser
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)
Printer black pages (MPV black)	1200
Processor speed	1200 MHz
Product long name specifications	HP LaserJet Pro MFP M428fdw - Print, Copy, Scan, and Fax; Prints up to 40 ppm (Letter); Scan to email/Folder/ USB/Cloud; Up to 80,000 page duty cycle; 750-4,000 recommended monthly page volume; Gigabit ethernet networking; Dual-band wireless networking; Bluetooth low-energy; Wi-Fi Direct; Auto-duplex printing; Single-pass 2 sided scanning
Product short name specifications	HP LaserJet Pro MFP M428fdw, Print, Copy, Scan, Fax, Email, Scan to email; Two-sided scanning
Quantity per pallet	30 (NA), 24 (EMEA,AP)
RMN number	SHNGC-1801-02
Recommended media weight (duplex)	60 to 120 g/m ²
Recommended media weight (duplex)	16 to 32 lb
Recommended monthly page volume	750 to 4000 ^[12]
Recommended monthly scan volume	750 to 4000
Recommended monthly scan volume note	750 - 4,000
Recommended operating humidity range	30 to 70% RH
Recommended operating temperature range	15 to 27°C
Recommended operating temperature range	59 to 80.6°F
Resolution	Up to 1200 x 1200 dpi
Resolution (black and white, standard mode)	203 x 98 dpi

Resolution (black and white, superfine mode)	Up to 300 x 300 dpi (no halftone)
Resolution (black photo grayscale)	300 x 300 dpi (halftone)
Right margin (A4)	4 mm
Safety	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, 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 (ADF), maximum	216 x 356 mm
Scan size (ADF), maximum	8.5 x 14 in
Scan size (ADF), minimum	4 x 6 in
Scan size (ADF), minimum	102 x 152 mm
Scan size, maximum	216 x 297 mm
Scan size, maximum	8.5 x 11.7 in
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	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 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 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
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)	A4; Oficio; Letter; Legal
Standard media sizes (duplex, imperial)	Letter; Legal; Oficio; A4
Standard output capacity (envelopes)	Up to 10 envelopes
Storage device and direct print support	USB Printing; Wireless direct printing; Optional job storage via external rear host USB port (Minimum 16GB)
Storage temperature range	-20 to 40°C
Storage temperature range	-4 to 104°F
SureSupply supported	Yes

Target user and print volume	For teams up to 10 users; Prints up to 4,000 pages/month
Tariff numbers	(AM) 8443310000; (EU) 8443310000; (AP) 84433121
Technology logo, print 1	Publication logos/AMS_EnergyStar.jpg
Technology logo, print 2	Publication logos/AMS_windows_10.jpg
Technology logo, print 3	Publication logos/AMS_mac_hires.jpg
Technology logo, print 4	Publication logos/AMS_AirPrint.jpg
Technology logo, print 5	Publication logos/AMS_Mopria.jpg
Technology logo, print 6	Publication logos/AMS_Epeat silver.jpg
Telecom compliance (fax capability)	Wireless: FCC Title 47 CFR, Part 15 Subpart C & E RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; EU Radio Equipment Directive 2014/53/EU; EN301 489-1 V2.1.1; EN301 489-17 V3.1.1; IEC62311:2007; N62311:2008; EN300 328 V2.1.1(2.4GHz); EN301 893 V2.1.1(5GHz); Fax Telecom: ETSI ES 203 021; FCC Rules and Regulations 47 CFR Part 68; Other Telecom approvals as required by individual countries.
Top key features	Scan to email; Two-sided scanning
Top margin (A4)	5 mm
Twain version	Version 2.3
Typical electricity consumption (TEC) number	ES: 1.247 kWh/week ^[18]
UNSPSC code	43212110
UPC number	192018915107
Warm-up time	As fast as 45 sec
Waste electrical and electronic weight	12.6 kg
Web address for additional information	http://www.hp.com/go/support

[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.

[3] Toner cartridges designed for distribution and use within a designated region only; will not work outside of designated region.

[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

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

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

[17] In box cartridge yields 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/learnaboutesupplies>. Pages may vary based on customer printing conditions and usage.

[18] 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.

Services

HP Care Pack Services

★ : Recommended

Imaging and Printing Commercial Care Pack Services

HP 3 year Next Business Day Exchange Service for LaserJet Pro MFP M428 M429 M329	UB9S0E ★
HP Installation Service with network configuration for Personal Scanner and Printer (1 unit)	U9JT1E ★
HP 1 year Post Warranty Next Business Day Exchange Service for LaserJet Pro M404 M405 M304 M305	UB9U5PE
HP 1 year Post Warranty Next Business Day Exchange Service for LaserJet Pro MFP M428 M429 M329	UB9S4PE
HP 1 year Print At Your Service Supplies Renewal up to 3500 pages per month LaserJet Service	UC6T9PE
HP 1 year Print At Your Service Supplies Renewal up to 500 pages per month LaserJet Service	UC6T6PE
HP 1y Renewal Subscription Supply Svc for LaserJet (up to 1000 pages per month)	U9PW2PE
HP 1y Renewal Subscription Supply Svc for LaserJet (up to 2000 pages per month)	U9PW5PE

Imaging and Printing Hardware Support Onsite Svc

HP 3 year Next Business Day Service for LaserJet Pro MFP M428 M429 M329	UB9R7E ★
HP 1 year Post Warranty 4 hour 9x5 Service for LaserJet Pro M404 M405 M304 M306	UCOQ7PE
HP 1 year Post Warranty 4 hour 9x5 Service for LaserJet Pro MFP M428 M429 M329	UCOR5PE
HP 1 year Post Warranty Next Business Day Service for LaserJet Pro M404 M405 M304 M305	UB9U3PE
HP 1 year Post Warranty Next Business Day Service for LaserJet Pro MFP M428 M429 M329	UB9S2PE
HP 1 year Print At Your Service Next Business Day Renewal Service for LaserJet Pro MFP M428	UCOU3PE
HP 3 year 4 hour 9x5 Service for LaserJet Pro M404 M405 M304 M305	UCOQ4E
HP 3 year 4 hour 9x5 Service for LaserJet Pro MFP M428 M429 M329	UCOR2E
HP 3 year Next Business Day Service for LaserJet Pro M404 M405 M304 M305	UB9T8E
HP 4 year 4 hour 9x5 Service for LaserJet Pro M404 M405 M304 M306	UCOQ5E
HP 4 year Next Business Day Service for LaserJet Pro M404 M405 M304 M305	UB9T9E
HP 5 year 4 hour 9x5 Service for LaserJet Pro M404 M405 M304 M307	UCOQ6E
HP 5 year Next Business Day Service for LaserJet Pro M404 M405 M304 M305	UB9U0E

Accessories

Paper Handling

★ : Recommended

Input Trays

HP LaserJet Pro 550-sheet Feeder Tray

D9P29A ★

PC Drives and Storage

USB Flash Drives

HP v222w 16GB Mini USB Drive

P0R81AA

Ink/Toner/Paper/Printer Supplies

HP Laser Toner Cartridges and Kits

★ : Recommended

HP Black and White Laser Toner Printer Cartridges

HP 58A Black Original LaserJet Toner Cartridge	CF258A
HP 58X High Yield Black Original LaserJet Toner Cartridge	CF258X

HP Business Papers

HP Business Papers for laser

HP Enhanced Business Paper, Glossy, 150 g/m2, A4 (210 x 297 mm), 150 sheets	CG965A
HP Everyday Business Paper, Glossy, 32 lb, 11 x 17 in. (279 x 432 mm), 150 sheets	4WN07A
HP Everyday Business Paper, Glossy, 32 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN08A
HP Professional Business Paper, Glossy, 52 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN10A
HP Professional Business Paper, Matte, 52 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN05A

Solutions

HP Document and Workflow Solutions

★ : Recommended

JetAdvantage Print Management

HP Universal Print Driver

HPUNIVPRNTDRV

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