Lighten your workload, focus on your business

HP LaserJet Pro M404 series
HP LaserJet Pro MFP M428 series

BLI BUYERS LAB
MOST RELIABLE BUSINESS PRINTER & MFP BRAND
RELIABILITY 2018–2021

HP product lines
"stand out above the rest"[1]

Sustainability is smart business

Built to keep you—and your business—moving forward

Best-in-class security[2]

Sustainability is smart business

Business is all about resource management, and finding efficiencies is everyone's responsibility. HP LaserJet printers and MFPs are designed with the environment in mind, so you can handle what you need while conserving energy wherever possible.

The toner cartridge you can trust

Print crisp black text and professional-quality graphics while helping your business save energy with HP EcoSmart black toner. An innovative manufacturing process and new proprietary ingredients enables these devices to operate with less energy, allowing for up to 18% energy savings over prior products with the M404 series models and up to 22% energy savings with the MFP M428 series models.[3]

Only the power you need

Help cut energy costs with HP Auto-On/Auto-Off Technology[4]—intelligence that readies your printer right when you need it and turns it off when you don't.

Increase efficiency and help save paper right out of the box. The duplex print setting is set at default paper savings mode when the device is shipped.[5]

Reduce your environmental impact

Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges designed to work with your device for optimal results.

Help reduce wasted paper, toner, and time by only printing the jobs that are truly needed using optional PIN/pull-printing[6] or HP Roam for Business.[7]

Count on easy cartridge recycling at no additional charge with HP Planet Partners.[8]

Find out more about HP Planet Partners[8] at hp.com/recycle

Built to keep your business moving forward

Today's businesses are always on, and always connected. Choose a device that can keep up with how you actually work, collaborate, and get things done.

Keep business moving

Don't wait for documents—this printer prints your first page from ready mode as fast as 6.1/6.3 seconds (letter/A4).[9]

Get prints at up to 40/38 pages per minute (ppm), simplex, and up to 33/31 images per minute (ipm), duplex (letter/A4).[10,11]

40_{ppm}[10]

Enjoy enhanced wireless performance and more reliable connections with dual-band Wi-Fi®[12] and Bluetooth® Low Energy.[13] Set up your wireless printer effortlessly with easy wireless connect—no more tedious keying of your password at the printer.[14]

Print effortlessly from any device, virtually anywhere, to any HP printer—securely through the cloud.[7]

Simplify productivity

An easy-access USB port on the HP LaserJet Pro MFP M428 models allows users to easily walk up and print.[15]

Turn paper files into digital assets and send your work to more places without using a PC—with the MFP M428 series models, scan documents directly to Microsoft® SharePoint®, email, USB, cloud, and network folders.[16]
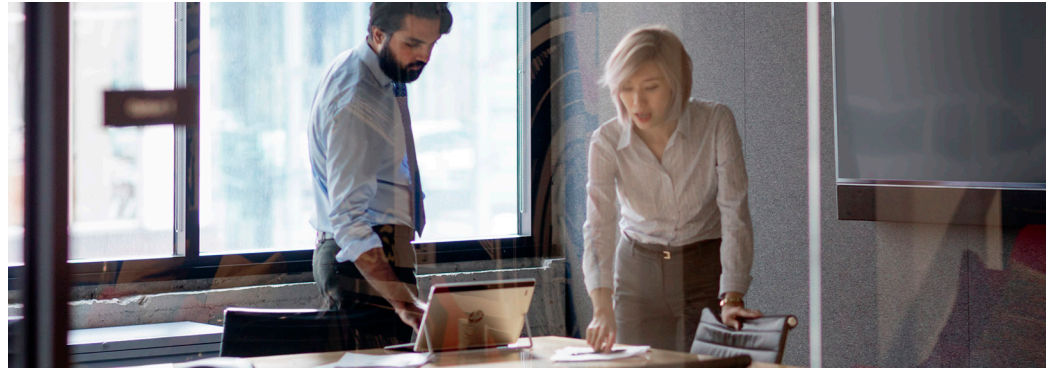
Expand your capacity

Tailor this printer to the needs of your business. The HP LaserJet Pro M404 printer series and HP LaserJet Pro MFP M428 series models come standard with a 100-sheet multipurpose tray 1 and 250-sheet tray 2 that support media sizes up to 8.5 x 14 inches (216 x 356 mm).

All models may be configured with an optional 550-sheet paper tray, which supports media sizes up to letter (A4). Spend less time loading paper with a 900-sheet maximum input capacity.[17]

Best-in-class security[2]

HP Print Security isn't just about securing printers. It's about helping to secure your network with real-time threat detection, automated monitoring, and software validation—designed to detect and stop an attack as it happens.[2]

Always on guard

Count on strong protection for devices, data, and documents with printer security from HP.

More than 135/200 (printers/MFPs) embedded security features,[18] including secure boot and secure firmware, preserve sensitive data and help protect the printer from being the entry point for attacks.
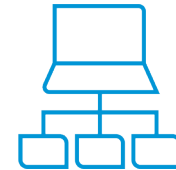
Thwart potential attacks by receiving instant notification of security issues, so immediate action can be taken.[19] This device works with tools like Splunk, ArcSight, McAfee and SIEMonster.

Take security to the next level

Help secure important documents and confidential information. With optional PIN/pull printing, help ensure the security of confidential information by entering a PIN at the device to retrieve print jobs.[6]

Optional HP JetAdvantage Security Manager offers an effective, policy-based approach to help secure HP devices.[20] Easily set security configuration policies and automatically validate settings across the fleet.

Expand capabilities with top-flight flexibility

Gain comprehensive control of information while providing employees the access they need to get the job done. Easily manage devices and settings using HP Web Jetadmin[21] with a suite of enterprise-level management features.

Built-in LDAP addressing simplifies email distribution. Save IT time and make printing easy for the entire enterprise by using a single driver for all HP devices.[22]

On all MFP M428 models, HP JetAdvantage Secure Print[23] helps secure documents by requiring authentication to release print jobs with.

▶ For more information

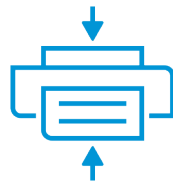| Fleet management	Security
HP Web Jetadmin visit: hp.com/go/wja	**HP JetAdvantage Security Solutions** visit: hp.com/go/printsecurity
Solution brief: http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA5-2718ENW.pdf	Solution overview: http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA3-1295ENW.pdf
Video: http://hp.brightcovegallery.com/solutions/detail/video/4271055504001/	Video: http://hp.brightcovegallery.com/products/detail/video/4270905124001/
HP Universal Print Driver visit: hp.com/go/upd	**HP JetAdvantage Security Manager** visit: hp.com/go/securitymanager
Solution brief: http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA2-4781ENW.pdf	Brochure: http://h20195.www2.hp.com/V2/GetPDF.aspx/4AA3-9275ENW.pdf
	Video: http://hp.brightcovegallery.com/products/detail/video/4270837770001/

Simply designed to uncomplicate your day

You have enough to worry about each day. It's easy to accomplish what you need—and exceed your own expectations—with a streamlined device that's made for simple use.

Simple setup and printer management

Set up this device fast and start printing the pages you need right away. Easily manage device settings to help increase overall printing efficiency.

Equip employees to breeze through tasks with a customizable 2.7-inch (6.9 cm) color touchscreen control panel—available on the MFP M428 series models.[24]

The perfect fit wherever you need it

Make the most of your office space. This device is the perfect size to conveniently fit into your shared work area—and your work style.

Avoid interruptions with an HP LaserJet device designed to be streamlined with minimal parts and long-life supplies for simple service and maximum productivity.

Avoid frustrations when scanning. A slow-closing lid and frameless scanner on the MFP models help make this a quick and easy task.

Ready to work, right away

Speed through print jobs right out of the box. This printer is shipped with preinstalled, specially designed Original HP LaserJet toner cartridges with JetIntelligence. Auto seal removal enables simple and seamless cartridge replacement, so you can get back to business fast—without costly delays or frustrating messes.

Customize frequently used tasks with Quick Sets feature[24]

Get to know the HP LaserJet Pro M404 series

HP LaserJet Pro M404dw shown

Dual-band Wi-Fi[12] for more reliable wireless performance and Bluetooth Low Energy[13] for easy wireless setup

100-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)

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

Rear door (access to the print path)

2-line LCD control panel

150-sheet output bin

Front door release button

Front door (access to HP EcoSmart black toner cartridges)

Automatic two-sided printing[11]

250-sheet input tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)

Series at a glance

Model (product number)	M404n (W1A52A)	M404dn (W1A53A)	M404dw (W1A56A)
Print speed (letter/A4)[9]	Simplex: Up to 40/38 ppm	Simplex: Up to 40/38 ppm; Duplex: Up to 33/31 ipm	
Two-sided printing	Manual	Automatic (default[5])	Automatic (default[5])
Control panel display	2-line LCD *(all models)*		
100-sheet multipurpose tray 1, 250-sheet tray 2	✓	✓	✓
Optional 550-sheet tray 3	Add up to one *(all models)*		
Input capacity (standard/maximum[17])	Up to 350/900 sheets *(all models)*		
Recommended monthly page volume[25]	Up to 4,000 pages *(all models)*		
In-box cartridge yield[26]	Black: ~1,500 pages	Black: ~3,000 pages	Black: ~3,000 pages
Replacement cartridge yields[26] (A/X)	Black: ~3,000/10,000 pages *(all models)*		
Dual-band Wi-Fi with Bluetooth Low Energy[12,13]	Not available	Not available	✓

Get to know the HP LaserJet Pro MFP M428 series

HP LaserJet Pro M428fdw shown

Dual-band Wi-Fi[12] for more reliable wireless performance and Bluetooth Low Energy[13] for easy wireless setup

2.7-inch (6.9 cm) customizable color touchscreen control panel (tilts up for easier viewing)[24]

Easy-access USB port[15]

100-sheet multipurpose tray 1 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)

Rear door (access to the print path)

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

50-sheet automatic document feeder (ADF) with single-pass, two-sided scanning supports media sizes up to 8.5 x 14 inches (216 x 356 mm)

Flatbed scanner supports media sizes up to letter (A4)

150-sheet output bin

Front door release button

Front door (access to HP EcoSmart black toner cartridges)

Automatic two-sided printing

250-sheet input tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)

Series at a glance

Model (product number)	M428fdn (W1A29A)	M428fdw (W1A30A)
Functions	Print, copy, scan, fax *(both models)*	
Print speed (letter/A4)[9]	Simplex: Up to 40/38 ppm; Duplex: Up to 33/31 ipm *(both models)*	
Scan speed (letter/A4)[27]	Simplex: Up to 31/29 ppm (black); up to 20/21 ppm (color) Duplex: Up to 46/49 ipm (black); up to 34/36 ipm (color)	
Scanning	50-sheet ADF with single-pass, two-sided scanning *(both models)*	
Two-sided printing	Automatic (default[5]) *(both models)*	
Control panel display[24]	2.7-inch (6.9 cm) customizable color touchscreen *(both models)*	
100-sheet multipurpose tray 1, 250-sheet tray 2	✓	✓
Optional 550-sheet tray 3	Add up to one *(both models)*	
Input capacity (standard/maximum[17])	Up to 350/900 sheets *(both models)*	
Recommended monthly page volume[25]	Up to 4,000 pages *(both models)*	
In-box cartridge yield[26]	~3,000 pages *(both models)*	
Replacement cartridge yields[26] (A/X)	Black: ~3,000/10,000 pages *(both models)*	
Dual-band Wi-Fi with Bluetooth Low Energy[12,13]	Not available	✓

What's new

HP LaserJet Pro M404 series compared to the HP LaserJet Pro M402 series

HP LaserJet Pro M404dw	HP LaserJet Pro M402dw
Original HP Toner cartridges with JetIntelligence and EcoSmart for up to 18% energy savings;[3] High-yield cartridges: ~10,000 pages (black)[26]	Original HP Toner cartridges with JetIntelligence; High-yield cartridges: ~9,000 pages (black)[26]
Best-in-class security[2] including secure boot, firmware integrity validation, run-time intrusion detection, and optional JetAdvantage Security Manager; optional job storage with PIN printing[6]	Optional job storage with PIN printing[6]
Dual-band Wi-Fi for more reliable wireless performance and Bluetooth Low Energy for easy wireless setup;[12,13] Wi-Fi Direct;[12] HP Roam for Business[7]	Wireless direct printing[28]/NFC touch-to-print[29]

HP LaserJet Pro MFP M428 series compared to the HP LaserJet Pro MFP M426 series

HP LaserJet Pro MFP M428fdw	HP LaserJet Pro MFP M426fdw
2.7-inch (6.9 cm) customizable touchscreen with intuitive icon-based user interface	3.0-inch (7.6 cm) touchscreen with simple gesturing
Scan to email, USB, PC, network PC, folder, cloud, SharePoint, and Dropbox[16]	Scan to email, USB, PC, network PC, folder, cloud
Original HP Toner cartridges with JetIntelligence and EcoSmart for up to 22% energy savings;[3] Standard/high-yield cartridges: ~3,000/10,000 pages (black)[26]	Original HP Toner cartridges with JetIntelligence; Standard/high-yield cartridges: ~3,100/9,000 pages (black)[26]
Best-in-class security[2] including secure boot, firmware integrity validation, run-time intrusion detection, and optional JetAdvantage Security Manager; optional job storage with PIN printing[6]	Optional job storage with PIN printing[6]
Dual-band Wi-Fi for more reliable wireless performance and Bluetooth Low Energy for easy wireless setup;[12,13] Wi-Fi Direct;[12] HP Roam for Business[7]	Wireless direct printing[28]/NFC touch-to-print[29]

Technical specifications—M404 series

	HP LaserJet Pro M404n	HP LaserJet Pro M404dn	HP LaserJet Pro M404dw
Product number	W1A52A	W1A53A	W1A56A
Control panel	2-line LCD *(all models)*		
Print speed (letter/A4)[10]	Simplex: Up to 40/38 ppm *(all models)*		
		Duplex: Up to 33/31 ppm *(dn/dw models)*	
First page out (letter/A4)	From ready:[9] As fast as 6.1/6.3 seconds *(all models)*		
Print resolution	Normal (600 x 600 dpi native; up to 4800 x 600 dpi enhanced), Fine Lines (1200 x 1200 dpi) *(all models)*		
Print resolution technology	HP FastRes 1200 (600 x 600 dpi), HP ProRes (1200 x 1200 dpi), Economode *(all models)*		
Printing features	Job storage with PIN printing,[6] N-up printing, collation *(all models)*		
Two-sided printing	Manual	Automatic (default)[5] *(dn/dw models)*	
Processor	1.2 GHz *(all models)*		
Memory	256 MB DRAM, 256 MB Flash *(all models)*		
Storage	Optional job storage via external rear host USB port *(all models)*		
Durability ratings			
Recommended monthly page volume[25]	750 to 4,000 pages *(all models)*		
Duty cycle[30]	Up to 80,000 pages *(all models)*		
Media specifications			
Input capacity	Up to 350/900 sheets (standard/ maximum[17]) *(all models)* Tray 1: Up to 100 sheets Tray 2: Up to 250 sheets		
Output capacity	Up to 150 sheets *(all models)*		
Media sizes	Tray 1: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No. 10, Monarch); A4, A5, A6, B5 (JIS), B6 (JIS), 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), 10 x 15 cm, Oficio (216 x 340 mm), postcards (JIS single, JIS double), envelopes (DL, C5, B5); Custom sizes: 3 x 5 to 8.5 x 14 in (76 x 127 to 216 x 356 mm)		
	Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No. 10, Monarch); A4, A5, A6, B5 (JIS), B6 (JIS), 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), 10 x 15 cm, Oficio (216 x 340 mm), postcards (JIS single, JIS double), envelopes (DL, C5, B5); Custom sizes: 3.94 x 5.83 to 8.5 x 14 in (100 x 148 to 216 x 356 mm)		
	Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in; A4, A5, A6, B5 (JIS), B6 (JIS), 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), 10 x 15 cm, Oficio (216 x 340 mm), postcards (JIS single, JIS double); Custom sizes: 3.94 x 5.83 to 8.5 x 14 in (100 x 148 to 216 x 356 mm)		
		Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in); A4, B5, 16K (195 x 270 mm, 184 x 260 mm; 197 x 273 mm); Oficio (216 x 340 mm)	
Media weights	Tray 1: 16 to 53 lb (60 to 200 g/m²)		
	Tray 2+: 16 to 32 lb (60 to 120 g/m²		
		Automatic duplexer: 16 to 32 lb bond (60 to 120 g/m²)	
Media types	Paper (plain, HP EcoEFFICIENT, light, heavy, bond, colored, letterhead, pre-printed, pre-punched, recycled, rough), envelopes, labels		
Print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, PWG Raster *(all models)*		
Fonts	84 scalable TrueType fonts *(all models)*		
Connectivity	Hi-Speed USB 2.0 printing port; 1 USB port for job storage with PIN printing;[6] 1 Gigabit Ethernet LAN port		
			Plus: 802.11 b/g/n/2.4/5.0 GHz Wi-Fi radio

	HP LaserJet Pro M404n	HP LaserJet Pro M404dn	HP LaserJet Pro M404dw
Mobile printing	Apple® AirPrint®,[31] Mopria™-certified, Google Cloud Print™ 2.0, HP ePrint,[32] mobile apps, HP Roam-capable for easy printing[7]		
			Plus: HP Roam-enabled for easy printing,[7] Dual-band Wi-Fi, Wi-Fi Direct,[12] Bluetooth Low Energy[13]
Network capabilities	Built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X		
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, Apple AirPrint,[31] HP ePrint,[32] 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		
Security	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:[32] HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication		
	LDAP authentication and authorization; Firewall and ACL; control panel lock, certificates configuration, UPD[22] PIN printing, Syslog, signed firmware, administrator settings, 802.1x authentication (EAP-TLS, and PEAP); Encrypted data storage; Secure data erase; Automatic firmware updates; Secure Encrypted Print via optional job storage,[6] compatible with optional HP JetAdvantage Security Manager[20]		
			Plus: IPPS
Compatible operating systems[33]	Windows® Client OS (all 32- and 64-bit editions): Windows 10, Windows 8.1, Windows 8 (Basic, Pro, Enterprise, Enterprise N), Windows 7 (Starter Edition SP1, UPD Ultimate)		
	Mobile OS: iOs, Android™		
	Mac OS: Sierra v10.12, High Sierra v10.13, Mojave v10.14		
	Discrete PCL6 Printer Driver: For more information on the supported operating systems go to support.hp.com		
	UPD PCL6/PS Printer Drivers:[22] For more information on the supported operating systems see 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 and XenDesktop® 7.6, Citrix Ready Kit Certification - up to Citrix Server 7.18, For more information, see citrixready.citrix.com		
	Novell iPrint server		
	Linux®: For more information, see developers.hp.com/hp-linux-imaging-and-printing		
	Unix®: For more information, see hp.com/go/unixmodelscripts		
	UPD PCL6/PS Printer Drivers:[22] For more information, see hp.com/go/upd		
System requirements, Windows	A compatible operating system (see above), 2 GB available hard disk space, Internet connection or USB port, Internet browser (for additional OS hardware requirements see microsoft.com)		
System requirements, Macintosh	A compatible operating system (see above), 2 GB available hard disk space, Internet connection or USB port (for additional OS hardware requirements see apple.com)		
Dimensions, operating (width x depth x height)	15.0 x 14.06 x 8.5 in (381 x 357 x 216 mm) *(all models)*		
Dimensions, maximum[34] (width x depth x height)	15.0 x 25.0 x 9.5 in (381 x 634 x 241 mm) *(all models)*		
Weight (with print cartridges)	18.12 lb (8.22 kg)	18.87 lb (8.56 kg)	18.87 lb (8.56 kg)
What's in the box	HP LaserJet printer, Getting Started guide, support flyer, warranty guide, regulatory flyer, power cord		
	Plus: Preinstalled HP Black LaserJet toner cartridge (~1,500 pages)[26]	Plus: Preinstalled HP Black LaserJet toner cartridge (~3,000 pages)[26]	Plus: Preinstalled HP Black LaserJet toner cartridge (~3,000 pages),[26] USB cable
Software included	No software solutions are included in the box, go to hp.com or 123.hp.com/laserjet for software solutions		

	HP LaserJet Pro M404n	HP LaserJet Pro M404dn	HP LaserJet Pro M404dw
Downloadable software	From 123.hp.com: HP Easy Start (guided software install for Windows and Mac)		
	Windows OS: From hp.com, full-solution software and drivers, basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, product documentation and support		
	Mac OS: From hp.com, HP Easy Start (guided software install), HP Mac PS Print Driver, HP Easy Admin		
	Mobile OS: For more information on iOs and Android, see hp.com/go/businessmobileprinting		
	Printer Administrators: See hp.com for Printer Administrator Resource Kit (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator), HP Universal Print Drivers[22] PCL6 GDI & PS GDI for Windows, HP ePrint[32] software (Mobile Driver for Windows), SAP Print Drivers (for more information, see support.hp.com/us-en/document/c05051702), HP Web JetAdmin,[21] HP JetAdvantage Security Manager,[20] HP Roam for Business,[7] HPLIP Linux Printer Driver (for more information, see hplipopensource.com/hplip-web/index.html), Unix Model Script Printer Driver (for more information, see hp.com/go/unixmodelscripts)		
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 world-class service and support options in your region.		
HP SureSupply supported	HP SureSupply alerts you when you should replace a print cartridge and helps you purchase online or locally through HP or a participating retailer. For more information, visit hp.com/learn/suresupply. Only available with Original HP supplies; Internet access required.		

Environmental and power specifications—M404 series

	HP LaserJet Pro M404n	HP LaserJet Pro M404dn	HP LaserJet Pro M404dw
Environmental ranges			
Temperatures	Operating: 59 to 90.5° F (15 to 32.5° C); Recommended operating: 63.5 to 77° F (17.5 to 25° C); Storage: -4 to 104° F (-20 to 40° C)		
Relative Humidity	Operating range: 10 to 80% RH; Recommended operating range: 30 to 70% RH		
Acoustic power emissions[35]	Ready mode: 2.5 B(A); Active print: 6.7 B(A)	Ready mode: 2.6 B(A); Active print: 6.7 B(A) *(dn/dw models)*	
Acoustic pressure emissions (bystander)	Ready mode: 15 dB(A); Active print: 53 dB(A)	Ready mode: 15 dB(A); Active print: 54 dB(A) *(dn/dw models)*	
Power specifications[36]			
Power supply	110-volt input voltage: 100 V-127 V nominal @ +/-10%; 50-60 Hz nominal +/- 2 Hz 220-volt input voltage: 220 V-240 V nominal @ +/-10%; 50-60 Hz nominal +/- 2 Hz (Not dual voltage, power supply varies by part number with # option code identifier)		
Power consumption	Active: 495 watts; Ready: 5.5 watts; Sleep: 0.5 watts; HP Auto-Off/Wake on LAN: 0.5 watts; Auto-Off/Manual-on: 0.5 watts; Manual off: 0.5 watts		
Typical electricity consumption (TEC)	N/A	1.228 kWh/week	1.228 kWh/week
Energy-saving features	HP Auto-On/Auto-Off Technology[4] *(all models)*		
Environmental specifications	N/A	ENERGY STAR® certified; EPEAT® Silver[37] *(dn/dw models)*	
Safety and regulatory compliance	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		
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; Other EMC approvals as required by individual countries		

Technical specifications—MFP M428 series

	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
Product number	W1A29A	W1A30A
Control panel	2.7-inch (6.9 cm) customizable color touchscreen[24] *(both models)*	
Print speed (letter/A4)[10]	Simplex: Up to 40/38 ppm; Duplex: Up to 33/31 ppm *(both models)*	
First page out (letter/A4)	From ready:[9] As fast as 6.1/6.3 seconds *(both models)*	
Print resolution	Normal (600 x 600 dpi native; up to 4800 x 600 dpi enhanced), Fine Lines (1200 x 1200 dpi) *(all models)*	
Print resolution technology	HP FastRes 1200 (600 x 600 dpi), HP ProRes (1200 x 1200 dpi), Economode *(all models)*	
Features		
Printing	Job storage with PIN printing,[6] N-up printing, collation, easy-access USB[15]	
Two-sided printing	Automatic (default)[5] *(both models)*	
Scanning	Flatbed scanner: 8.5 x 11.7 in (216 x 297 mm); ADF with single-pass, two-sided scanning up to 8.5 x 14 inches (216 x 356 mm)	
	Advanced features: Single-pass two-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,[16] scan to computer with software HP Quick Sets	
Digital sending	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, HP Quick Sets	
File formats	Digital send: PDF, Hi-compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A	
	Windows: HP Scan software supports PDF, searchable PDF, JPG, RTF, TXT, BMP, PNG, TIFF; Mac: HP Easy Scan software supports PDF, searchable PDF, JPG, RTF, TXT, JPG-2000, PNG, TIFF	
Copying	Copy speed: Up to 40/38 copies per minute (cpm) (simplex, letter/A4); up to 33/31 cpm (duplex, letter/A4)	
	Copy features: 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)	
	Copy resolution: Up to 600 x 600 dpi	
Faxing	Fax speed:[38] 3 seconds per page/33.6 kbps (letter/A4); fax forwarding, receive fax polling, speed dial up to 120 numbers, each with 119 destinations, auto-fax reduction, auto-redialing, stored faxes, fax archiving, fax memory: up to 400 pages	
	Fax resolution: Up to 300 x 300 dpi (halftone enabled)	
Processor	1.2 GHz *(both models)*	
Memory	512 MB DRAM, 512 MB Flash *(both models)*	
Storage	Optional job storage via external rear host USB port *(both models)*	
Durability ratings		
Recommended monthly page volume[25]	750 to 4,000 pages *(both models)*	
Recommended monthly scan volume[39]	750 to 4,000 pages *(both models)*	
Duty cycle[30]	Up to 80,000 pages *(both models)*	
Media specifications		
Input capacity	Up to 350/900 sheets (standard/ maximum[17]) *(both models)* Tray 1: Up to 100 sheets Tray 2: Up to 250 sheets	
Output capacity	Up to 150 sheets *(all models)*	

	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
Media sizes	Tray 1: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No. 10, Monarch); A4, A5, A6, B5 (JIS), B6 (JIS), 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), 10 x 15 cm, Oficio (216 x 340 mm), postcards (JIS single, JIS double), envelopes (DL, C5, B5); Custom sizes: 3 x 5 to 8.5 x 14 in (76 x 127 to 216 x 356 mm)	
	Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No. 10, Monarch); A4, A5, A6, B5 (JIS), B6 (JIS), 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), 10 x 15 cm, Oficio (216 x 340 mm), postcards (JIS single, JIS double), envelopes (DL, C5, B5); Custom sizes: 3.94 x 5.83 to 8.5 x 14 in (100 x 148 to 216 x 356 mm)	
	Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in; A4, A5, A6, B5 (JIS), B6 (JIS), 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), 10 x 15 cm, Oficio (216 x 340 mm), postcards (JIS single, JIS double); Custom sizes: 3.94 x 5.83 to 8.5 x 14 in (100 x 148 to 216 x 356 mm)	
	ADF: Letter, legal; A4; Custom sizes: 4 x 5.9 to 8.5 x 14 in (102 x 152 to 216 x 356 mm)	
	Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in); A4, B5, 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm), Oficio (216 x 340 mm)	
Media weights	Tray 1: 16 to 53 lb (60 to 200 g/m²)	
	Tray 2+: 16 to 32 lb (60 to 120 g/m²	
Media types	Paper (plain, HP EcoEFFICIENT, light, heavy, bond, colored, letterhead, pre-printed, pre-punched, recycled, rough), envelopes, labels	
Print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, native office, PWG Raster *(both models)*	
Fonts	84 scalable TrueType fonts *(both models)*	
Connectivity	Hi-Speed USB 2.0 printing port; 1 USB port for job storage with PIN printing;[6] 1 Gigabit Ethernet LAN port	
Mobile printing	Apple AirPrint,[31] Mopria-certified, Google Cloud Print 2.0, HP ePrint,[32] mobile apps, HP Roam-capable for easy printing[7]	
		Plus: Dual-band Wi-Fi with Bluetooth Low Energy, Wi-Fi Direct[12,13]
Network capabilities	Standard via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X	
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, Apple AirPrint,[31] HP ePrint,[32] 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	
Security	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; 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,[23] compatible with optional HP JetAdvantage Security Manager[20]	
		Plus: IPPS
Compatible operating systems[33]	Windows Client OS (all 32- and 64-bit editions): Windows 10, Windows 8.1, Windows 8 (Basic, Pro, Enterprise, Enterprise N), Windows 7 (Starter Edition SP1, UPD Ultimate)	
	Mobile OS: iOs, Android	
	Mac OS: Sierra v10.12, High Sierra v10.13, Mojave v10.14	
	Discrete PCL6 Printer Driver: For more information on the supported operating systems go to 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[22]: For more information on the supported operating systems see hp.com/go/upd	

	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
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 and XenDesktop 7.6, Citrix Ready Kit Certification - up to Citrix Server 7.18, For more information, see citrixready.citrix.com	
	Novell iPrint server	
	Linux: For more information, see developers.hp.com/hp-linux-imaging-and-printing	
	Unix: For more information, see hp.com/go/unixmodelscripts	
	UPD PCL6/PS Printer Drivers[22]: For more information, see http://hp.com/go/upd	
System requirements, Windows	A compatible operating system (see above), 2 GB available hard disk space, Internet connection or USB port, Internet browser (for additional OS hardware requirements see microsoft.com)	
System requirements, Macintosh	A compatible operating system (see above), 2 GB available hard disk space, Internet connection or USB port (for additional OS hardware requirements see apple.com)	
Dimensions, operating (width x depth x height)	16.54 x 15.35 x 12.72 in (420 x 390 x 323 mm) *(both models)*	
Dimensions, maximum[34] (width x depth x height)	16.93 x 25.0 x 12.8 in (430 x 632 x 325 mm) *(both models)*	
Weight (with print cartridges)	27.78 lb (12.6 kg) *(both models)*	
What's in the box	HP LaserJet MFP, preinstalled HP Black LaserJet toner cartridges (~3,000 pages);[26] Getting Started guide, support flyer, warranty guide, regulatory flyer, power cord, phone cord	
		Plus: USB cable
Software included	No software solutions are included in the box, go to hp.com or 123.hp.com/laserjet for software solutions	
Downloadable software	From 123.hp.com: HP Easy Start (guided software install for Windows and Mac)	
	Windows OS: From hp.com, full-solution software and drivers, basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, product documentation and support	
	Mac OS: From hp.com, HP Easy Start (guided software install), HP Mac PS Print Driver, HP Easy Admin	
	Mobile OS: For more information on iOs and Android, see hp.com/go/businessmobileprinting	
	Printer Administrators: See hp.com for Printer Administrator Resource Kit (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator), HP Universal Print Drivers[15] PCL6 GDI & PS GDI for Windows, HP ePrint[32] software (Mobile Driver for Windows), SAP Print Drivers (for more information, see support.hp.com/us-en/document/c05051702), HP Web JetAdmin,[21] HP JetAdvantage Security Manager,[20] HP Roam for Business,[7] HPLIP Linux Printer Driver (for more information, see hplipopensource.com/hplip-web/index.html), Unix Model Script Printer Driver (for more information, see hp.com/go/unixmodelscripts), ReadIris	
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 world-class service and support options in your region.	
HP SureSupply supported	HP SureSupply alerts you when you should replace a print cartridge and helps you purchase online or locally through HP or a participating retailer. For more information, visit hp.com/learn/suresupply. Only available with Original HP supplies; Internet access required.	

Environmental and power specifications—MFP M428 series

	HP LaserJet Pro MFP M428fdn	HP LaserJet Pro MFP M428fdw
Environmental ranges		
Temperatures	Operating: 59 to 90.5° F (15 to 32.5° C); Recommended operating: 63.5 to 77° F (17.5 to 25° C); Storage: –4 to 104° F (–20 to 40° C)	
Relative Humidity	Operating range: 10 to 80% RH; Recommended operating range: 30 to 70% RH	
Acoustic power emissions[35]	Ready mode: inaudible; Active print: 6.7 B(A); Active copy: 6.8 B(A); Active scan: 6.3 B(A)	
Acoustic pressure emissions (bystander)	Ready mode: inaudible; Active print: 53 dB(A); Active copy: 54 dB(A); Active scan: 48 dB(A)	
Power specifications[36]		
Power supply	110-volt input voltage: 100 V–127 V nominal @ +/-10%; 50-60 Hz nominal +/- 2 Hz	
	220-volt input voltage: 220 V–240 V nominal @ +/-10%; 50-60 Hz nominal +/- 2 Hz	
	(Not dual voltage, power supply varies by part number with # option code identifier)	
Power consumption	Active print: 510 watts, Ready: 7.5 watts, Sleep: 0.9 watts, Auto-off/Wake on LAN: 0.9 watts; Auto-off/Manual on: 0.06 watts; Off: 0.06 watts	
Typical electricity consumption (TEC)	1.247 kWh/week *(both models)*	
Energy-saving features	HP Auto-On/Auto-Off Technology[4] *(both models)*	
Environmental specifications	ENERGY STAR certified; EPEAT Silver[37] *(both models)*	
Safety and regulatory compliance	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	
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; Other EMC approvals as required by individual countries	
Telecom Compliance Certification	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; EN62311:2008; EN300 328 V2.1.1(2.4GHz); EN301 893 V2.1.1(5GHz);4	
	Fax Telecom: ETSI ES 203 021; FCC Rules and Regulations 47 CFR Part 68; other Telecom approvals as required by individual countries	

Ordering information

Use accessories and supplies specifically designed for the printer to help provide efficient performance. To order the accessories and supplies listed here, go to hp.com. To contact HP by country, please visit hp.com/go/contact. If you don't have access to the Internet, contact your qualified HP dealer or call HP (U.S.) at (800) 282 6672.

LaserJet	HP LaserJet Pro M404n	W1A52A
	HP LaserJet Pro M404dn	W1A53A
	HP LaserJet Pro M404dw	W1A56A
	HP LaserJet Pro MFP M428fdn	W1A29A
	HP LaserJet Pro MFP M428fdw	W1A30A
Supplies[40]	HP 58A Black Original LaserJet Toner Cartridge (~3,000 pages)[26]	CF258A
	HP 58X Black Original LaserJet Toner Cartridge (~10,000 pages)[26]	CF258X
Accessories	HP LaserJet 550-sheet paper feeder	D9P29A
	HP v222w 16GB Mini USB Drive	P0R81AA
Solutions	HP Web Jetadmin: hp.com/go/wja	
	HP Universal Print Driver: hp.com/go/upd	
	HP JetAdvantage Security Manager: hp.com/go/securitymanager	
	HP JetAdvantage On Demand Cloud Solutions: hp.com/go/JetAdvantageondemand	
	HP LaserJet fonts, barcodes, and IPDS Emulation available at hp.com/go/laserjetfonts	
	To learn more about available infrastructure, management, and workflow solutions, visit hp.com/go/printing solutions	

[1] In July 2018, HP was named Buyers Lab's Most Reliable Business Printer & MFP Brand by the analysts at Buyers Lab (BLI), based on lab testing from 2012 to 2018. For more information, see https://www.keypointintelligence.com/news/awards.

[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: hp.com/go/printersecurityclaims.

[3] HP calculations based on ENERGY STAR® normalized TEC data comparing the HP LaserJet 300/400 series and 500 series monochrome printers introduced in Spring 2019. HP 58/59/76/77A/X compared to HP 26A/X, and HP 89A/X/Y compared to HP 87A/X.

[4] HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings.

[5] 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 driver.

[6] Requires purchase of separate USB flash drive with at least 16 GB capacity.

[7] Subscription or accessory may be required. For more information, visit hp.com/go/roam. To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the RadBeacon USB.

[8] Program availability varies. For more information, visit hp.com/recycle.

[9] Measured using ISO/IEC 17629. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Learn more at hp.com/go/printerclaims.

[10] Measured using ISO/IEC 24734; excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[11] Automatic two-sided printing is not available on the HP LaserJet Pro M404n.

[12] Wireless operations are compatible with 2.4 GHz and 5.0 GHz operations only. Learn more at hp.com/go/mobileprinting. Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

[13] Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. Learn more at hp.com/go/mobileprinting.

[14] Only supported on printers with embedded wireless hardware. Requires the installation of the HP Smart App on an iOS and Android™ that supports Bluetooth® Low Energy. Learn more about the HP Smart App at hp.com/go/mobileprinting.

[15] An administrator must enable the easy-access USB port before use.

[16] Microsoft® SharePoint® 365 not supported. Requires an internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see hpconnected.com.

[17] Purchase of optional paper tray required to reach maximum input capacity.

[18] Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at hp.com/go/printsecurity.

[19] 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.

[20] HP JetAdvantage Security Manager must be purchased separately. For details, see hp.com/go/securitymanager.

[21] HP Web Jetadmin is available for download at no additional charge at hp.com/go/wja.

[22] The HP Universal Print Driver is available for download at no additional charge at hp.com/go/upd.

[23] HP JetAdvantage Secure Print works with any network-connected printer or MFP. On-device authentication is available for many HP LaserJet, PageWide, and OfficeJet Pro devices and selected non-HP devices. Some devices may require a firmware upgrade. Internet connection required for cloud storage and retrieval of print jobs. Print-job release from a mobile device requires a network connection and QR code. For more information and a list of supported printers and MFPs, see hp.com/go/JetAdvantageSecurePrint.

[24] A 2.7-inch (6.9 cm) customizable color touchscreen is available on the MFP M428 series. Connect printer/MFP to the network and complete customization through the Embedded Web Server. The M404 printer series offers a 2-line LCD display.

[25] Recommended Monthly Page Volume (RMPV): HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

[26] Average black declared yields based on ISO/IEC 19752 and continuous printing. For details visit hp.com/go/learnaboutsupplies. Pages may vary based on customer printing conditions and usage. Optional high-yield cartridges are not included in printer purchase and must purchased separately. The HP LaserJet Pro M404n model ships with a pre-installed ~1,500-page starter cartridge; all other models ship with a pre-installed ~3,000-page standard (A) cartridge.

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

[28] Mobile device needs to be connected directly to the Wi-Fi® network of a wireless direct-capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. Learn more at hp.com/go/businessmobileprinting.

[29] Mobile device must support near-field communications (NFC)-enabled printing. For more information, see hp.com/go/nfcprinting.

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