

HP LaserJet Pro MFP M428dw { Specifications }

FUNCTIONS	Print, Copy, Scan, Email
FIRST PAGE OUT BLACK (A4, READY)	As fast as 6.3 sec
FIRST PAGE OUT BLACK (A4, SLEEP)	As fast as 8.8 sec
PRINT SPEED BLACK (ISO, A4)	Normal: Up to 38 ppm (default) ; Up to 40 ppm (HP High Speed) [1]
FIRST PAGE OUT (READY)	Black: As fast as 6.3 sec [2]
FIRST PAGE OUT (SLEEP)	Black: As fast as 8.8 sec [2]
FIRST COPY OUT	As fast as 7.2 sec
FIRST COPY OUT (SLEEP)	As fast as 9.5 sec
DUTY CYCLE (MONTHLY, A4)	Up to 80,000 pages [3] Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
RECOMMENDED MONTHLY PAGE VOLUME	750 to 4,000 [4]
PRINT TECHNOLOGY	Laser
PRINT QUALITY BLACK (BEST)	Fine Lines (1200 x 1200 dpi)
PRINT LANGUAGES	HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
DISPLAY	6.8 cm (2.7 in) intuitive colour touchscreen (CGD)
PROCESSOR SPEED	1200 MHz
AUTOMATIC PAPER SENSOR	No
REPLACEMENT CARTRIDGES	HP 59A Black LaserJet Toner Cartridge (3,000 pages) CF259A; HP 59X Black LaserJet Toner Cartridge (10,000 pages) CF259X [14] Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. http://www.hp.com/go/learnaboutsupplies
MOBILE PRINTING CAPABILITY	Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App; Mobile Apps; Mopria™ Certified; Roam capable for easy printing; Wi-Fi® Direct Printing [7]
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
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
MINIMUM SYSTEM REQUIREMENTS	2 GB available hard disk space, Internet connection, USB port, Internet browser, for additional OS hardware requirements see http://www.microsoft.com 2 GB available hard disk space, Internet connection or USB port, for additional OS hardware requirements see http://www.apple.com
COMPATIBLE OPERATING SYSTEMS	Windows Client OS (32/64-bit), Win10, Win8.1, Win 8 Basic,

Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, for more information on the supported operating systems go to <http://www.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, Supported Operating systems, for more information on the supported operating systems see <http://www.hp.com/go/upd>

MEMORY	512 MB
MEMORY, MAXIMUM	512 MB
INTERNAL STORAGE	No
PAPER HANDLING INPUT, STANDARD	100 sheet tray 1, 250 sheet input tray 2; 50 sheet Automatic Document Feeder (ADF)
PAPER HANDLING INPUT, OPTIONAL	Optional third 550 sheet tray
PAPER HANDLING OUTPUT, STANDARD	150 sheet output bin
MAXIMUM OUTPUT CAPACITY (SHEETS)	Up to 150 sheets
DUPLEX PRINTING	Automatic (default)
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); Envelope #10; Envelope Monarch; Envelope B5; Envelope C5; Envelope DL; Custom Size; Statement; Tray 2 & Tray 3: A4; A5; A6; B5 (JIS); Oficio (216 x 340 mm); 16K (195 x 270 mm); 16K (184 x 260 mm); 16K (197 x 273 mm); Custom Size; A5-R; B6 (JIS)
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 TYPES	Paper (plain, EcoEFFICIENT, light, heavy, bond, coloured, preprinted, prepunched, recycled, rough); Envelopes; Labels
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	60 to 120 g/m ²
SCANNER TYPE	Flatbed, ADF
SCAN FILE FORMAT	PDF, JPG, TIFF
SCAN RESOLUTION, OPTICAL	Up to 1200 x 1200 dpi
SCAN SIZE (ADF), MAXIMUM	216 x 356 mm
SCAN SIZE (ADF), MINIMUM	102 x 152 mm
SCAN SPEED (NORMAL, A4)	Up to 29 ppm (black and white), up to 20 ppm (colour)
RECOMMENDED MONTHLY SCAN VOLUME	750 to 4000 750 - 4,000
DUPLEX ADF SCANNING	No
AUTOMATIC DOCUMENT FEEDER CAPACITY	Standard, 50 sheets
DIGITAL SENDING STANDARD FEATURES	Scan to email with LDAP email address lookup; Scan to network folder; Scan to USB; Scan to Microsoft SharePoint®; Scan to computer with software; Quick Sets
SCAN INPUT MODES	Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWAIN or WIA

COPY SPEED (NORMAL)	Black: Up to 38 cpm Color: [5]
COPY RESOLUTION (BLACK TEXT)	Up to 600 x 600 dpi
COPY RESOLUTION (COLOR TEXT AND GRAPHICS)	Up to 600 x 600 dpi
COPY REDUCE / ENLARGE SETTINGS	25 to 400%
COPIES, MAXIMUM	Up to 999 copies
FAXING	No
POWER	220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz (+/- 2 Hz)
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) [10]
ENERGY EFFICIENCY	ENERGY STAR® qualified; EPEAT® Silver; Blue Angel
BLUE ANGEL COMPLIANT	Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies
OPERATING TEMPERATURE RANGE	10 to 32.5°C
RECOMMENDED OPERATING HUMIDITY RANGE	30 to 70% RH
ACOUSTIC POWER EMISSIONS (READY)	Inaudible [9]
ACOUSTIC PRESSURE EMISSIONS BYSTANDER (ACTIVE, PRINTING)	53 dB(A)
WHAT'S IN THE BOX	HP LaserJet Pro M428dw; Preinstalled HP 59A Black LaserJet Toner Cartridge (yield: 3,000 pages); Getting started guide; Support flyer; Warranty guide; Regulatory flyer; Power cord; USB cable; HP printer software is available at http://www.hp.com/support [13]
CABLE INCLUDED	Yes, 1 USB cable
SOFTWARE INCLUDED	No software solutions are included in the Box, only on http://www.hp.com , http://www.123.hp.com/laserjet
WARRANTY	One-year Bench/Depot Repair warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to http://www.hp.com/support to learn about HP award winning service and support options in your region. (wty code 4E; wty ID A033)