HP Color LaserJet Pro M452dw



Ideal printing performance and robust security for how you work. This capable color printer finishes jobs faster and delivers comprehensive security to guard against threats.¹ Original HP Toner cartridges with JetIntelligence produce more pages.²

Print Speed:Black & Color (letter): Up to 28 ppm; First Page Out Time from Ready (Letter): 8.9 seconds (black), 9.5 seconds (color)

Print Resolution: Black & color (best): 600×600 dpi, Up to $38,400 \times 600$ enhanced dpi

Print Resolution Technology :HP ImageREt 3600, PANTONE calibrated

Standard Connectivity:Hi-Speed USB 2.0 port; built-in Gigabit Ethernet 10/100/1000 Base-TX network port; Host USB

Wireless Capability: Yes, Built-in Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct Printing; NFC touch-to-Print

Standard Memory:256MB NAND Flash, 256MB DRAM Mobile Printing Capability:HP ePrint, Apple AirPrint™, Wireless Direct Printing, NFC touch-to-print, Mopria-certified, Google Cloud Print, Mobile Apps

Paper Handling:50-sheet multipurpose tray, 250-sheet input tray; 150-sheet output bin; Optional 550-sheet input tray

Display: 3.0-in intuitive color touchscreen















Fast printing. Strong protection.

- Grab pages and go—without waiting around. This printer wakes up and prints faster than the competition.¹
- Breeze through multipage documents with two-sided printing that's faster than leading competitors.¹
- Protect information and control access to confidential print jobs with HP JetAdvantage Private Print.³
- Keep printing safe from boot up to shutdown with security features that guard against complex threats.

More. Pages, Performance, and Protection.

- Get the most prints for your money—with Original HP High Yield Color Toner cartridges with JetIntelligence.²
- Count on professional quality at high speeds with HP ColorSphere 3 toner.
- Help ensure you're getting the authentic HP quality you paid for with innovative anti-fraud technology.
- Print right away with preinstalled toner cartridges. Replace them with optional high-yield cartridges.

Easy management. Efficient printing.

- Easily manage print jobs directly at the printer—just tap and swipe the 3-inch (7.6 cm) touchscreen.⁵
- Easily print Microsoft[®] Word and PowerPoint[®] documents—now directly from your USB drive.⁴
- Easily manage devices and settings using HP Web Jetadmin with a suite of essential management features.⁶
- Print using less energy than competitors—enhanced by Original HP Toner cartridges with JetIntelligence.⁷

Stay connected with easy mobile printing options

- Easily print from a variety of smartphones and tablets—generally no setup or apps required.®
- Count on wireless direct printing in the office—from mobile devices—without accessing the company network.⁹
- Help workers print with just a touch of their NFC-enabled mobile device to the printer—no network needed.¹¹
- Easily access, print, and share resources with Ethernet and wireless networking.¹⁰

¹ Based on HP internal testing of top three leading competitors' first page out from sleep mode and duplex print speed completed 8/2015. Subject to device settings. Actual results may vary. For details see hp.com/go/Ljclaims' Based on cartridge yields for HP 305X compared with HP 410X Original HP LaserLet Tome Cartridges. For more information, see hp.com/go/Ljclaims' Based on cartridge yields for HP 305X compared with HP 410X Original HP LaserLet Tome Cartridges. For more information, see hp.com/go/Lgclaims' Based on cartridge information, see hp.com/go/Lucamaboutsupplies' Feature is only available for the HP Color LaserLet Pro M452dw. HP JetAdvantage Private Print is available at no charge and requires that the printer be connected to the Internet with web services enabled. Not available in all countries. For more information, see hpjetadvantage.com ⁴ Feature is only available for the HP Color LaserLet Pro M452dw. Requires a wireless access point and an Internet connection to the printer. Services require registration. App availability varies by country, language, and agreements and requires a firmware upgrade. For details, visit hpconnected.com ⁶ HP Web Jetadminis free and available for download at hp.com/go/webjetadmin⁷ Based on HP testing using the ENERGY STAR[®] program's Typical Electricity Consumption (TEC) method or as reported in enerystar.gov of top three leading competitors as of 8/2015. Actual results may vary. For details see hp.com/go/Ljclaims ⁸ Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Seature is only supported by the HP Color Laser Jer No M452tw and M452tw. Mobile device needs to be connected directly to the WI-Fi network of a wireless direct-capable MPP or printer print prior to Clor Laser Jer Pro M452tw and M452tw. Wobile device needs to be connected Unstituent to the wirelis on direct apable MPP or printer print printing. Depending on mobile device, an app or driver may also be require

HP Color LaserJet Pro M452dw Specifications Table

Print Speed		Fonts and Tunof	04 HIT T ()
Print Speed	Letter : Up to 28 ppm black; Up to 28 ppm color ¹⁴ First Page Out : As fast as 8.9 sec black; As fast as 9.5 sec color (ready); As fast as 11.3 sec black; As fast as 11.4 sec color (sleep) ¹⁶	Fonts and Typefaces Compatible Operating Systems	84 scalable TrueType fonts
Print Resolution	Black (best): 600×600 dpi, Up to $38,400 \times 600$ enhanced dpi; Color (best): 600×600 dpi, Up to $38,400 \times 600$ enhanced dpi	Comparinte operating systems	 Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc), Windows Tall 32-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32-8 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32-bit editions (Home Basic, Premium, Professional, etc), Windows SD (State 13), State 13, State 14, State 14,
Print Technology	Laser		
Print Resolution Technologies	HP ImageREt 3600, PANTONE calibrated		
Print Cartridges Number	4 (1 each black, cyan, magenta, yellow)		
Standard Print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, PCLm, Native Office, PWG Raster	10.7 Lion, 05 X 10.8 Mountain Lion, 05 X 10.9 Mavericks, 05 X 10.10 Yosemite; Mobile 05 (In-05 drivers); IOS, Android, Windows 8/8.1/10 RT; Linux, 05 (In-05 HUP); SUSE Linux (12 12.3, 13.1); Fedora (17, 18, 19, 20); Linux Mint (13, 14, 15, 16, 17); Boss (3, 0, 5.0); Ubuntu (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10); Debian (6.0x, 7.x); Other OS: UNW (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10); Debian (5.0x, 7.x); Other OS: UNW (10.04, 11.10, 12.04, 12.10, 13.04, 13.10, 14.04, 14.10); Debian (5.0x, 7.x); Other OS: UNW Systems Compatible Network Operating Systems Windows OS compatible with In-Box Driver; Windows Server 2003/2003 R2 32-bit (SP1/SP) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-(64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32-(64-bit (SP1) Standard/Enterprise) (+ Cluster & Terminal Services), Windows Server 2008 32-(64-bit (SP1) Standard/Enterprise), Cleater & Terminal Services), Windows Server 2008 32-(64-bit (SP1) Standard/Enterprise), Cleater & Terminal Services), Windows Server 2008 32-(64-bit (SP1) Standard/Enterprise), Cleater & Terminal Services), Windows Server 2008 32-(64-bit (SP1) SP2) Standard/Enterprise), Datacenter (+ Cluster & Terminal Services), Windows Server 2008 22-(64-bit (SP1) SP2) Standard/Enterprise), Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-(64-bit (SP1) SP2) Standard/Enterprise), Windows Server 2003/2003 R2 32-(64-bit (SP1) SP2) Standard/Enterprise), Windows Server 2012/201 R2 & Cleah-bit Standard/Enterprise), Windows Server 2003/2003 R2 32-(64-bit (SP1) SP2) Standard/Enterprise), Windows Server 2003/2003 R2 32-(64-bit Server 2003/2003 R2 3); Clitrix (Mindows Server 30, Clitrix (Mindows Server 2003/2003 R2 3); Clitrix (Mindows Server 3); Clitrix	
Printer Smart Software Features	N-up printing, collation, HP ePrint, Apple AirPrint™, Mopria certified, Google Cloud Print, NFC touch-to-print, wireless direct printing, HP Auto-On/Auto-Off Technology, Initiutive 3* touchscreen control panel, Print from Cloud using business apps on the control panel, HP JetAdvantage Private Print, Job Storage with PIN printing, Print from USB		
Printer Management	Printer Administrator Resource Kit (Driver Configuration Utility, Driver Deployment Utility, Managed Printing Administrator); HP Web JetAdmin Software; HP Proxy Agent Software; HP Imaging and Printing Security Center; HP Utility (Mac); HP Device Toolbox (Win 7)		
Standard Connectivity	Hi-Speed USB 2.0 port; built-in Gigabit Ethernet 10/100/1000 Base-TX network port; Host USB		
Network Capabilities	Via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X		
Network Ready	Standard (built-in Gigabit Ethernet, Wi-Fi) [Operates as both an AP (with Wi-Fi Direct) and STA]		
Wireless Capability	Yes, Built-in Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct Printing; NFC touch-to-Print		5.0 (Plus Feature Pack 2 & 3), Citrix XenApp 6.0/6.5/7.5, Citrix XenDesktop 5.6/7.0/7.5; Citrix (on Windows Server 2012/2012R2): Citrix XenApp 7.5, Citrix XenDesktop 7.0/7.5; Novell Servers (http://www.novell.com/iprint): Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux; NetWare 6.5/SP8; Novell Clients
Mobile Printing Capability	HP ePrint, Apple AirPrint [™] , Wireless Direct Printing, NFC touch-to-print, Mopria-certified, Google Cloud Print 2.0, Mobile Apps		
Memory	Standard: 256 MB NAND Flash, 256 MB DRAM; Maximum: 256MB NAND Flash, 256MB DRAM		
Processor Speed	1200 MHz	Minimum System Requirements	PC: Windows XP (SP2) (32-bit) or newer; 233 MHz processer or higher; 512 MB RAM; 400 MB available hard disk space; CD-ROM or Internet; USB or Network connection; MAC: Mac OS X v 10.7 or newer; Internet; USB or Network connection; 1 GB available hard disk space
Duty Cycle	Monthly, letter: Up to 50,000 pages ⁷		
Recommended Monthly Page Volume	750 to 4,000 ⁸	Power	
Media Types Supported	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes	i owei	Power Supply Type: Internal (Built-in) power supply; Power Requirements: 110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); Typical Electricity Consumption: 1.515 kWh/Week *; Power
Media Weight Supported	Tray 1: 16 to 47 lb (up to 52 lb with HP Color laser glossy photo papers); Tray 2: 16 to 43 lb (up to 47 lb with postcards, up to 52 lb with HP Color laser glossy photo papers); optional Tray 3: 16 to 43 lb (up to 47 lb with postcards, up to 40 lb with HP Color laser glossy photo papers); Automatic duplexer: 16 to 43 lb	Acoustics	Consumption: 570 watts (Active Printing), 17.6 watts (Ready), 2.4 watts (Sleep), 0.6 watts (Auto-On/Auto-Off, via USB connectivity), 0.05 watts (Shutdown or Off) ³ Acoustic Power Emissions (active): 6.3 B(A); Acoustic Power Emissions (ready); 4.8 B(A);
Media Sizes Supported	Tray 1, Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 3 x 5 in, 4 x 6 in, 5 x 8 in, envelopes		Acoustic Pressure Emissions (active): 49 dB(A); Acoustic Pressure Emissions (ready): 34
	$ \begin{array}{l} (No 10, Monarch), Qbional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 3 x 5 in, 4 x 6 in, 5 x 8 in; Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in), 3 x 5 in, 4 x 6 in, 5 x 8 in; Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in) \\ \end{array} $	Operating Environment	dB(A) ⁶ Operating Temperature Range : 59 to 86°F; Recommended Operating Temperature : 59 to 80.6°F; Storage Temperature Range : -4 to 104°F; Non-Operating Humidity Range : 10 to 95% RH (non-condensing); Operating Humidity Range : 10 to 80% RH (non-condensing);
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2, optional Tray 3: 3.94 x 5.83 to 8.5 x 14 in		
Paper Handling	50-sheet multipurpose tray, 250-sheet input tray; 150-sheet output bin; Duplex Options: Automatic (standard), Envelope Feeder: No; Standard Paper Trays: 2; Input Capacities: Up to 200-cheese Control Control Control Inc. 150-checkelluk and a Control Contr	Security Management	Recommended Humidity Operating Range: 20 to 70% RH (non-condensing) Embedded Web Server: password-protection, secure browsing via SSL/TLS; Network: enable/disable network ports and features, SNMPv1 & SNMPv2 community password change; HP ePrint: HTTPS with certificate validation, HTTP Basic Access Authentication, SASL authentication; Firevall and ACL; SNMPv3, 802: 1X, Secure Boot, authentication via WEP, WPA/WPA2 Personal, WPA2 Enterprise; Encryption via AES or TKIP
What's in the box	300 sheets; Output Capacities: Up to 150 sheets; Up to 20 envelopes CF394A HP Color Laser/let Pro M452dw; 4 preinstalled Introductory HP 410A Laser/let Toner cartridges (Black, Cyan, Magenta, Yellow: ~1200 pages); In-box documentation (Getting Started Guide, Install Poster); Software drivers and documentation on CD-ROM;		
Replacement Cartridges	Power Cord; USB cable; Built-in duplexe ¹⁷	Accessories	HP LaserJet 550-sheet Paper Feeder CF404A; HP v222w 16GB Mini USB Drive POR81AA
neplatement carditiges	HP 410A Black Laser.let Toner Cartridge (~2300 pages) CF410A; HP 410X Black Laser.let Toner Cartridge (~5500 pages) CF410X; HP 410A Cyan Laser.let Toner Cartridge (~2300 pages) CF411A; HP 410X Cyan Laser.let Toner Cartridge (~5000 pages) CF411X; HP 410A Yellow Laser.let Toner Cartridge (~2300 pages) CF412A; HP 410X Yellow Laser.let Toner Cartridge (~5000 pages) CF412X; HP 140A Magenta Laser.let Toner Cartridge (~2300 pages) CF413A; HP 410X Magenta Laser.let Toner Cartridge (~5000 pages) CF413X ⁵	HP Service and Support Options	UBTN1E - HP 3 year Next Business Day Color Laser/let M452 Hardware Support; UBTN2E - HP 4 year Next Business Day Color Laser/let M452 Hardware Support; UBTN3E - HP 5 year Next Business Day Color Laser/let M452 Hardware Support; UBTN4E - HP 3 year Next Business Day Exchange Color Laser/let M452 Service; H3110E - HP Network Install Inkjet/Personal Laser/let Service
Product Dimensions	W x D x H : 16.2 x 18.5 x 11.6 in ¹¹ ; Maximum : 16.2 x 25.6 x 13.4 in	Learn more at	
Product Weight	41.7 lb ¹	hp.com	
Warranty Features	One-year, Bench Repair limited warranty		
Energy Efficiency Compliance	ENERGY STAR® certified; Blue Angel; EPEAT® Silver		
Control Panel	3.0-in intuitive color touchscreen; 3 Buttons (Home, Help, Back)		
Display Description	3.0-in intuitive color touchscreen		
Software Included	For Windows DS: HP Software Installer/Uninstaller, HP PCL 6 Printer Driver, HP Device Experience (DXP), HP Update, Product Registration Assist, HP Web Services Assist (HP Connected), HP Device Toolbox, HP Product Improvement Study, Online user manuals. (Software varies by OS: WinXPI/vista = driver only); Windows 7: Full solution; Windows 8+ and newer: drivers only with more apps available in MS App store; For Mac OS: Welcome Screen,		

¹ With toner cartridges. ³ Power requirements are based on the country/region where the printer sis sold. Do not convert operating voltages. This will damage the printer and void the product warranty. ⁴ Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh). ⁵ Printer ships with preinstalled introductory cartridges (yan, Magenta and Yellow (CMY) (~1200 pages) and Black A (KA) (~2300 pages) with Auto Toner Seal Removal for all cartridges. ⁶ Acoustic values are subject to change. For current information see hp.com/support. Configuration testek: base model, simplex printing, A4 paper at an average of 20 pm. ⁷ 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 Laserlet or HP Color Laserlet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. ⁸ HP recommends that the number of printer shups on the within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. ¹⁰ Not all "Compatible Operating Systems" are supported with inbox software; Full solution software available only for Windows 7; Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only; Windows 8 and 10 have apps available in MS App Store; Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS; UNIX modelscripts are available on HP.com (Modelscripts are printer drivers for UNIX operating systems); Linux systems use in-OS HPLIP software ¹¹ Without optional 550-sheet tray. Table Sx 16.7 in (412 × 469 × 425 mm). ¹⁴ 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, s

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newer: drivers only with more apps availabe in MS App store; For Mac OS: Welcome Screen, (Directs users to http://www.HP.com or OS App Source for LaserJet Software)

