Datasheet

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 x 600 dpi, Up to 38,400 x 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.[8]
- 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]

HP Color LaserJet Pro M452dw Specifications Table

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]
Print Resolution	**Black (best)**: 600 x 600 dpi, Up to 38,400 x 600 enhanced dpi; **Color (best)**: 600 x 600 dpi, Up to 38,400 x 600 enhanced dpi
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
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, Intiutive 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
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
Duty Cycle	**Monthly, letter**: Up to 50,000 pages[7]
Recommended Monthly Page Volume	750 to 4,000[8]
Media Types Supported	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes
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
Media Sizes Supported	Tray 1, Tray 2: Letter, legal, executive, 3 x 5 in, 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch); Optional Tray 3: Letter, legal, executive, 3 x 5 in, 4 x 6 in, 5 x 8 in; Automatic duplexer: Letter, legal, executive
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 300 sheets; **Output Capacities**: Up to 150 sheets; Up to 20 envelopes
What's in the box	**CF394A** HP Color LaserJet Pro M452dw; 4 preinstalled Introductory HP 410A LaserJet Toner cartridges (Black, Cyan, Magenta, Yellow: ~1200 pages)[17]; In-box documentation (Getting Started Guide, Install Poster); Software drivers and documentation on CD-ROM; Power cord; USB cable; Built-in duplexer
Replacement Cartridges	HP 410A Black LaserJet Toner Cartridge (~2300 pages) CF410A; HP 410X Black LaserJet Toner Cartridge (~6500 pages) CF410X; HP 410A Cyan LaserJet Toner Cartridge (~2300 pages) CF411A; HP 410X Cyan LaserJet Toner Cartridge (~5000 pages) CF411X; HP 410A Yellow LaserJet Toner Cartridge (~2300 pages) CF412A; HP 410X Yellow LaserJet Toner Cartridge (~5000 pages) CF412X; HP 410A Magenta LaserJet Toner Cartridge (~2300 pages) CF413A; HP 410X Magenta LaserJet Toner Cartridge (~5000 pages) CF413X[5]
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
Product Weight	41.7 lb[1]
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 OS: 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: WinXP/Vista = driver only); Windows 7: Full solution; Windows 8+ and 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)

Fonts and Typefaces	84 scalable TrueType fonts
Compatible Operating Systems	Windows OS compatible with In-Box Driver: Windows XP SP3 all 32-bit editions (XP Home, XP Pro, etc), Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Windows OS compatible with Universal Print Driver (From HP.com): Windows XP SP3 32- & 64-bit editions (XP Home, XP Pro, etc), Windows Vista all 32- & 64-bit editions (Home Basic, Premium, Professional, etc), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets); Mac OS (HP Print Drivers available from http://www.HP.com and Apple Store): OS X 10.7 Lion, OS X 10.8 Mountain Lion, OS X 10.9 Mavericks, OS X 10.10 Yosemite; Mobile OS (In-OS drivers): iOS, Android, Windows 8/8.1/10 RT; Linux OS (In-OS HPLIP); SUSE Linux (12.2, 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 (6.0.x, 7.x); Other OS: UNIX[10]
Compatible Network Operating Systems	Windows OS compatible with In-Box Driver: Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32- (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services); Windows OS compatible with Universal Print Driver (UPD) or Product-Specific drivers from HP.com: Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services); Citrix (on Windows Server 2003/2003R2): Citrix MetaFrame Presentation Server, 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3); Citrix (on Windows Server 2008/2008R2): Citrix XenApp 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 (http://www.novell.com/iprint); Windows 8 (32-bit / 64-bit) recommend v5.86+, 8.1 recommend v5.94+, Windows 7 (32-bit / 64-bit) recommend v5.82+, Windows Vista (32-bit / 64-bit) recommend v5.82+, Windows XP / SP3 (32-bit only) recommend v5.82+
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
Power	**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%), 50/60 Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier); **Typical Electricity Consumption**:1.515 kWh/Week[4]; **Power 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]
Acoustics	**Acoustic Power Emissions (active)**: 6.3 B(A); **Acoustic Power Emissions (ready)**: 4.8 B(A); **Acoustic Pressure Emissions (active)**: 49 dB(A); **Acoustic Pressure Emissions (ready)**: 34 dB(A)[6]
Operating Environment	**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); **Recommended Humidity Operating Range**: 20 to 70% RH (non-condensing)
Security Management	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; Firewall and ACL; SNMPv3, 802.1X, Secure Boot, authentication via WEP, WPA/WPA2 Personal, WPA2 Enterprise; Encryption via AES or TKIP
Accessories	HP LaserJet 550-sheet Paper Feeder CF404A; HP v222w 16GB Mini USB Drive P0R81AA
HP Service and Support Options	U8TN1E - HP 3 year Next Business Day Color LaserJet M452 Hardware Support; U8TN2E - HP 4 year Next Business Day Color LaserJet M452 Hardware Support; U8TN3E - HP 5 year Next Business Day Color LaserJet M452 Hardware Support; U8TN4E - HP 3 year Next Business Day Exchange Color LaserJet M452 Service; H3110E - HP Network Install Inkjet/Personal LaserJet Service

Learn more at
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