Data sheet

HP Color LaserJet Pro M452 series

Stunning speed. Solid security.

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

HP LaserJet Pro M452dn

HP LaserJet Pro M452dn with optional 550-sheet tray

Highlights

- 27 ppm black/ 27 ppm colour
- Colour first page out 9.9sec
- Leading duplex print speed of 24 ipm
- HP Auto-On/Auto-Off for low energy consumption
- Confidential PIN Printing
- HP ePrint, AirPrint, Google Cloud Print, Wi-Fi Direct, Mopria-certified, Mobile Apps
- Optional 550-sheet tray
- High-yield black/colour cartridges (6500/5000 pages)
- Award-winning design language

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 optional PIN printing.
- 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 Colour 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 devices and settings using HP Web Jetadmin with a suite of essential management features.[3]
- Print using less energy than competitors – enhanced by Original HP Toner cartridges with JetIntelligence.[4]

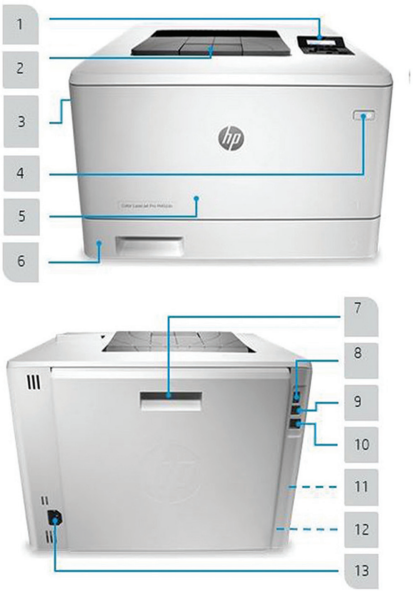
Stay connected with easy mobile printing options

- Easily print from a variety of smartphones and tablets – generally no setup or apps required.[5]
- Count on wireless direct printing in the office – from mobile devices – without accessing the company network.[6]
- Easily access, print, and share resources with Ethernet and wireless networking.[7]

Product walkaround

HP Color LaserJet Pro M452dn shown

1. 2-line LCD control panel
2. 150-sheet output bin
3. Front door release button (access to HP JetIntelligence Toner cartridges)
4. Power on/off button
5. 50-sheet multipurpose tray 1
6. 250-sheet tray 2
7. Rear door (provides access to print path)
8. USB port for job storage4 and PIN printing
9. Hi-Speed USB 2.0 printing port
10. Ethernet port
11. Automatic two-sided printing
12. 1.2 GHz processor
13. Power connection



Series at a glance

Model	HP Color LaserJet Pro M452nw	HP Color LaserJet Pro M452dn
Product number	CF388A	CF389A
Colour print speed, A4	Up to 27 ppm	Up to 27 ppm
Duplex printing	Manual	Automatic
Control panel	2-line LCD	2-line LCD
Standard/maximum input	300/850 sheets	300/850 sheets
Networking	Gigabit Ethernet, wireless 802.11b/g/n	Gigabit Ethernet
Mobile printing capability	Wireless direct printing, HP ePrint, Apple AirPrint, Mopria-certified, Google Cloud Print™ 2.0	HP ePrint, Apple AirPrint, Mopria-certified, Google Cloud Print 2.0

Accessories, Supplies and Support

Supplies	**CF410A** HP 410A Black Original LaserJet Toner Cartridge 2,300 pages
	CF410X HP 410X High Yield Black Original LaserJet Toner Cartridge 6,500 pages
	CF411A HP 410A Cyan Original LaserJet Toner Cartridge 2,300 pages
	CF411X HP 410X High Yield Cyan Original LaserJet Toner Cartridge 5,000 pages
	CF412A HP 410A Yellow Original LaserJet Toner Cartridge 2,300 pages
	CF412X HP 410X High Yield Yellow Original LaserJet Toner Cartridge 5,000 pages
	CF413A HP 410A Magenta Original LaserJet Toner Cartridge 2,300 pages
	CF413X HP 410X High Yield Magenta Original LaserJet Toner Cartridge 5,000 pages
Accessories	**CF404A** HP LaserJet 550-sheet Feeder Tray
Service and support	**U8TN1E** HP 3 year Next business day Color LaserJet M452 Hardware Support **U8TN5E** HP 3 year Return Color LaserJet M452 Service **U8TN6PE** HP 1 year Post Warranty Next business day Color LaserJet M452 Hardware Support **U8TN8PE** HP 1 year Post Warranty Return Color LaserJet M452 Service

Technical specifications

Model	**HP Color LaserJet Pro M452nw**	**HP Color LaserJet Pro M452dn**
Product number	CF388A	CF389A
Functions	Print	Print
Print		
Print speed	Up to 27 ppm black (A4); Up to 27 ppm colour (A4); Up to 24 ipm black duplex (A4)	
First page out from ready[1]	As fast as 9.0 sec black (A4, ready); As fast as 9.9 sec colour (A4, ready)	
First page out from sleep[1]	As fast as 11.4 sec	
Print resolution	600 x 600 dpi, up to 38400 x 600 enhanced dpi black; 600 x 600 dpi, up to 38400 x 600 enhanced dpi colour; HP ImageREt 3600, PANTONE® calibrated	
Print technology	Laser	
Print Area	Print margins: Top: 4.23 mm; Bottom: 4.23 mm; Left: 4.23 mm; Right: 4.23 mm	
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; Wireless direct printing; HP Auto-On/Auto-Off Technology; Job Storage with PIN printing	N-up printing; Collation; HP ePrint, Apple AirPrint™; Mopria certified; Google Cloud Print; HP Auto-On/Auto-Off Technology; Job Storage with PIN printing
Monthly duty cycle	Up to 50,000 pages (A4); Recommended monthly page volume: 750 to 4,000 (print)	
Duplex printing	Manual (driver support provided)	Automatic (standard)
Fonts and typefaces	84 scalable TrueType fonts	
SureSupply supported	Yes	
Processor speed	1200 MHz	
Connectivity		
Standard	Hi-Speed USB 2.0 port; Built-in Gigabit Ethernet 10/100/1000 Base-TX network port; Easy-access USB	Hi-Speed USB 2.0 port; Built-in Gigabit Ethernet 10/100/1000 Base-TX network port; Easy-access USB
Wireless	Yes, built-in Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct Printing	No
Supported network protocols	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, FTP Print, 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	
Memory	Standard: 256 MB NAND Flash, 128 MB DRAM; Maximum: 256MB NAND Flash, 128MB DRAM	
Paper handling		
Media types	Paper (bond, brochure, coloured, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes	
Paper size	Custom metric: Tray 1: 76 x 127 to 216 x 356 mm; Tray 2, optional Tray 3: 100 x 148 to 216 x 356 mm Supported metric: Tray 1, Tray 2: A4, A5, A6, B5 (JIS), B6 (JIS), 10 x 15 cm, postcards (JIS single, JIS double), envelopes (DL, C5, B5); Optional Tray 3: A4, A5, A6, B5 (JIS), B6 (JIS), 10 x 15 cm, postcards (JIS single, JIS double); Automatic duplexer: A4, B5	
Paper handling	Standard input: 50-sheet multipurpose tray, 250-sheet input tray Standard output: 150-sheet output bin Optional/Input: Optional 550-sheet tray	
Input capacity	Tray 1: Sheets: 50; Envelopes: 5 Tray 2: Sheets: 250; Envelopes: 10 Tray 3: Sheets: 550 Maximum: Up to 850 sheets (with optional 550-sheet tray)	
Output capacity	Standard: Up to 150 sheets, Up to 20 envelopes Transparancies Maximum: Up to 150 sheets Envelopes: Up to 20 envelopes	
Paper weight	Tray 1: 60 to 176 g/m² (up to 200 g/m² with postcards and HP Color Laser Glossy Photo Papers); Tray 2: 60 to 163 g/m² (up to 176 g/m² with postcards, up to 200 g/m² HP Color Laser Glossy Photo Papers); Optional Tray 3: 60 to 163 g/m² (up to 176 g/m² with postcards, up to 150 g/m² glossy media); Automatic duplexer: 60 to 163 g/m²	

Model	HP Color LaserJet Pro M452nw	HP Color LaserJet Pro M452dn
Product number	CF388A	CF389A
Compatible operating systems	Windows OS compatible with In-Box Driver: Windows 10 all 32 & 64-bit editions (excluding RT OS for tablets), Windows 8/8.1 all 32 & 64-bit editions (excluding RT OS for tablets), Windows 7 all 32 & 64-bit editions, Windows Vista all 32-bit editions (Home Basic, Premium, Professional, etc); Windows OS compatible with Universal Print Driver (from HP.com): Windows 10 all 32 & 64-bit editions (excluding RT OS for tablets), Windows 8/8.1 all 32 & 64-bit editions (excluding RT OS for tablets), Windows 7 all 32 & 64-bit editions, Windows Vista all 32 & 64-bit editions (Home Basic, Premium, Professional, etc); 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	
Compatible network operating systems	Windows OS compatible with In-Box Driver: Windows Server 2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008 32 & 64-bit (SP2) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2) Standard/Enterprise (+ Cluster & Terminal Services); Windows OS compatible with Universal Print Driver (UPD) or product-specific drivers from HP.com: Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32 & 64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32 & 64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services); Citrix (on Windows Server 2003/2003 R2): 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 2008/2008 R2): 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 2012/2012 R2): 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 & 64-bit) recommend v5.86+, 8.1 recommend v5.94+, Windows 7 (32 & 64-bit) recommend v5.82+, Windows Vista (32 & 64-bit) recommend v5.82+, Windows XP/SP3 (32-bit only) recommend v5.82+	
Mobile printing capability	HP ePrint, Apple AirPrint™, Wireless Direct Printing, Mopria-certified, Google Cloud Print 2.0, mobile apps	HP ePrint, Apple AirPrint™, Mopria-certified, Google Cloud Print 2.0, mobile apps
Minimum system requirements	Windows: Windows Vista (32 & 64-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	
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: Windows XP/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)	
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)	
Dimensions and Weight		
Printer Dimensions (W x D x H)	Minimum: 412 x 453 x 295 mm Maximum: 412 x 633 x 295 mm	Minimum: 412 x 469 x 295 mm Maximum: 412 x 649 x 340 mm
Package dimensions (W x D x H)	497 x 379 x 583 mm	497 x 379 x 583 mm
Printer Weight[2]	17.5 kg	18.9 kg
Package weight	20.7 kg	22.0 kg
Operating environment	Temperature: 15 to 30°C, Humidity: 20 to 70% RH (non-condensing)	
Storage	Temperature: -20 to 40°C, Humidity: 10 to 95% RH (non-condensing)	
Acoustics[3]	Acoustic power emissions: 6.3 B(A); Acoustic pressure emissions: 49 dB(A)	
Power[6]	Requirements: Input voltage: 220 to 240 VAC (+/- 10%), 50 Hz (+/- 3 Hz) Consumption: 570 watts (printing), 17.6 watts (ready), 2.4 watts (sleep), 0.6 watts (Auto-On/Auto-Off, via USB connectivity), 0.05 watts (off)	
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology	
Certifications	CISPR 22:2008 (Class B); EN 55022:2010 (Class B); EN 61000-3-2:2006 +A1:2009 +A2:2009; EN 61000-3-3:2008; EN 55024:2010; Other EMC approvals as required by individual countries	
Warranty	One-year limited warranty	
What's in the box	HP Color LaserJet Pro M452nw Printer; 4 preinstalled Introductory HP 410A LaserJet Toner cartridges (Black, Cyan, Magenta, Yellow: 1,200 pages); Getting Started Guide; Install poster; Software drivers and documentation on CD-ROM; Power cord; USB cable	HP Color LaserJet Pro M452dn Printer; 4 preinstalled Introductory HP 410A LaserJet Toner cartridges (Black, Cyan, Magenta, Yellow: 1,200 pages); Getting Started Guide; Install poster; Software drivers and documentation on CD-ROM; Power cord
Replacement cartridges[5]	HP 410A Black LaserJet Toner Cartridge (2,300 pages) CF410A; HP 410X Black LaserJet Toner Cartridge (6,500 pages) CF410X; HP 410A Cyan LaserJet Toner Cartridge (2,300 pages) CF411A; HP 410X Cyan LaserJet Toner Cartridge (5,000 pages) CF411X; HP 410A Yellow LaserJet Toner Cartridge (2,300 pages) CF412A; HP 410X Yellow LaserJet Toner Cartridge (5,000 pages) CF412X; HP 410A Magenta LaserJet Toner Cartridge (2,300 pages) CF413A; HP 410X Magenta LaserJet Toner Cartridge (5,000 pages) CF413X	

Footnotes

[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 http://www.hp.com/go/Ljclaims.; [2] Based on cartridge yields for HP 305X compared with HP 410X Original HP LaserJet Toner Cartridges. For more information, see http://www.hp.com/go/learnaboutsupplies.; [3] HP Web Jetadmin is free and available for download at http://www.hp.com/go/webjetadmin.; [4] Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in energystar.gov of top three leading competitors as of 8/2015. Actual results may vary. For details see http://www.hp.com/go/Ljclaims.; [5] Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at http://www.hp.com/go/mobileprinting.; [6] Feature is only supported by the HP Color LaserJet Pro M452nw. 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. Learn more at http://www.hp.com/go/businessmobileprinting.; [7] Feature is only supported by the HP Color LaserJet Pro M452nw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.

Technical specifications disclaimers

[1] Measured using ISO/IEC 17629. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the input voltage, system configuration, software application, driver, and document complexity.; [2] With toner cartridges; [3] Acoustic values are subject to change. For current information, see http://www.hp.com/support. Configuration tested: base model, simplex printing, A4 paper at an average of 20 ppm.; [4] 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.; [5] Printer ships with preinstalled introductory cartridges Cyan, Magenta and Yellow (CMY) (1,200 pages) and Black A (KA) (2,300 pages) with Auto Toner Seal Removal for all cartridges.; [6] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).; [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 LaserJet or HP Color LaserJet 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 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.; [9] HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies. Internet access required. To learn more, visit http://www.hp.com/go/SureSupply.; [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.; [13] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).; [14] Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.; [15] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

http://www.hp.com/uk

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Published in EMEA 09/15 4AA6-0841EEE