# 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

Wireless direct    Wireless    Ethernet

USB device

Mobile Printing

### 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.

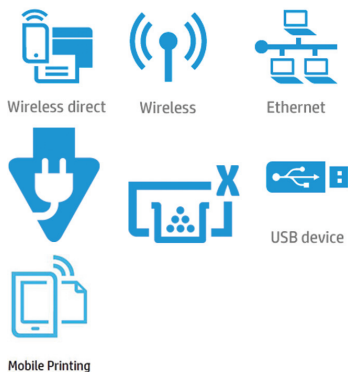### More. Pages, Performance, and Protection.

- 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]
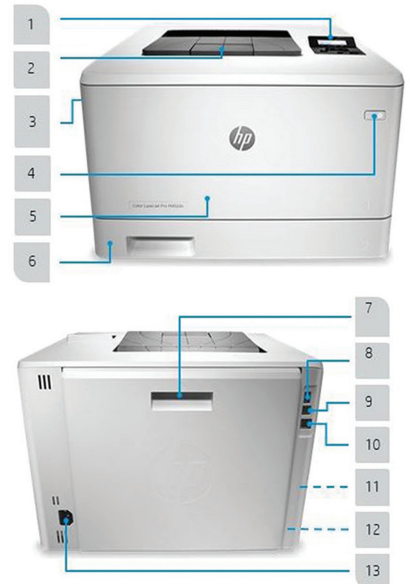- Easily access, print, and share resources with Ethernet and wireless networking.[7]

## 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<br>**U8TN5E** HP 3 year Return Color LaserJet M452 Service<br>**U8TN6PE** HP 1 year Post Warranty Next business day Color LaserJet M452 Hardware Support<br>**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<br>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<br>Standard output: 150-sheet output bin<br>Optional/Input: Optional 550-sheet tray | |
| Input capacity | Tray 1: Sheets: 50; Envelopes: 5<br>Tray 2: Sheets: 250; Envelopes: 10<br>Tray 3: Sheets: 550<br>Maximum: Up to 850 sheets (with optional 550-sheet tray) | |
| Output capacity | Standard: Up to 150 sheets, Up to 20 envelopes Transparancies<br>Maximum: Up to 150 sheets<br>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<br>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<br>Maximum: 412 x 633 x 295 mm | Minimum: 412 x 469 x 295 mm<br>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)<br>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

## Technical specifications disclaimers