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. Original HP Toner cartridges with JetIntelligence produce more pages.²

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.
- Easily print from a variety of smartphones and tablets—generally no setup or apps required.⁶
- 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.⁶
- 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.¹³

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/LaJetM452nwh.² Based on cartridge yields for HP 305X compared with HP 410X Original HP LaserJet Toner Cartridges. For more information, see hp.com/go/LaserJetCartridgeYields.³ Zurich is only available for the HP Color LaserJet Pro M452dw. HP and Advantage 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 hp.com/go/AdvantagePrivatePrint.⁴ Feature is only available for the HP LaserJet Pro M452dw. Microsoft and PowerPoint are U.S. registered trademarks of the Microsoft group of companies. File works with Microsoft Word and PowerPoint 2003 and later. Only Latin language Fonts are supported.⁵ Feature is only available for the HP Color LaserJet 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 hewlett-packard.com.⁶ HP Web Jetadmin is free and available for download at www.hp.com/go/webjetadmin.⁷ Based on HP testing using the ENERGY STAR® Program’s Typical Electricity Consumption Test Procedure as reported in energystar.gov.¹ Based on HP internal testing of leading competitors as of 8/2015. Actual results may vary. For details see hp.com/go/LaJetM452nwh.⁸ Wireless operations are compatible with 2.4 GHz operation only. Apps or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at hp.com/go/mobileprinting.⁹ Feature is only supported by the HP Color LaserJet Pro M452dw and M452nw. Mobile device needs to be connected directly to the Wi-Fi network of a Prep smart device’s MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Learn more at hp.com/go/mobileprinting.¹⁰ Feature is only supported by the HP Color LaserJet Pro M452dw and M452nw. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.¹¹ Feature is only supported by the HP Color LaserJet Pro M452dw. Requires a compatible NFC-printing-enabled mobile device. For a list of compatible NFC-printing-enabled mobile devices, see hp.com/go/NFCprinting.
Below is a detailed list of specifications for the HP Color LaserJet Pro M452dw:

### Print Speed
- Letter: Up to 28 ppm black; Up to 28 ppm color (1)
- 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 (color)

### Print Resolution
- Black (best): 600 x 600 dpi, Up to 3840 x 600 enhanced dpi
- Color (best): 600 x 600 dpi, Up to 3840 x 600 enhanced dpi

### Print Technology
- Laser

### Print Resolution Technologies
- HP ImageREt 1200, PCL6 calibrated

### Print Cartridge Numbers
- 411A black, cyan, magenta, yellow

### Standard Print languages
- HP PCL 6, HP PCL 5c, HP postscript level 3, TrueType

### Wireless Capabilities
- Yes, Built-in Wi-Fi, Authentication via WPA2, Windows 8.1, 8, 7, Vista, XP; Supports: Ethernet/802.11b/g/n/ac, 10/100/1000

### Media Types Supported
- Paper, Bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough, postcards, tags, labels

### Media Weight Supported
- Tray 1: 16 to 47 lb (60 to 176 g/m²); Tray 2: 20 to 48 lb (75 to 189 g/m²); Up to 250 g/m²; Up to 250 g/m²; Select Paper Type for best results

### Media Sizes Supported
- Tray 1: 1 to 8.5 x 11 in (A (12.2, SUSE Linux, iOS, Mac OS X 10.9, Mac OS X 10.10 Yosemite; Mobile OS (iOS-6 devices): AirPrint, Windows, 8.1/10/RT, Linux, OS X 10.5-10.10, SUSE Linux 11.2, 12.0, 13.1, 14.0, 14.1, 15.0, 16.0; Debian 5.0, 6.0, 7.0) for Android

### Minimum System Requirements

### Acoustics
- Acoustic Power Emissions (active): 6.5 B(A)
- Acoustic Power Emissions (ready): 3.8 B(A)

### Operating Environment
- Operating Temperature Range: 50 to 95°F (10 to 35°C)
- Operating Relative Humidity Range: 20% to 80% RH (non-condensing)

### Security Management
- Embedded Web Server: password-protected, secure browsing via SSL/TLS; Networks: enable/disable network ports and features, SNMPv3, 802.1X, SSH, RDP, Telnet; Authentication via WEP, WPA/WPA2, 802.11a/b/g/n/ac

### Accessories
- HP LaserJet S60-sheet Paper Feeder (CF080B), HP-22GB 100-sheet Input Tray (CF460B)

### HP LaserJet Pro M452dw

### Fonts and Typefaces
- 84 scalable TrueType fonts

### Compatible Operating Systems

### Network Ready

### Power
- Power Supply Type: Internal-Input/output power supply, Power Requirements: 110-220 VAC, 110-240 VAC, 100-240 VAC

### Dimensions
- Maximum: 17.6 x 6.9 x 13.4 in (449 x 175 x 340 mm)

### Productivity
- Web: 16.2 x 18.5 x 16.7 in (412 x 470 x 425 mm)

### Warranty
- One-year limited warranty

### Energy Efficiency Compliance
- ENERGY STAR: certified

### Control Panel
- 3.5 in intuitive color touchscreen

### Display Description
- 3.5 in intuitive color touchscreen

### Software Included

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1. With toner cartridges. 2. Power requirements are based on the country/region where the printer is sold. Do not connect operating voltages. This will damage the printer and void the product warranty. 3. Typical Electricity Consumption (TCC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh). 4. Printer ships with preinstalled introductory cartridges. 5. Cyan, Magenta, Yellow (CMY) 1-120 pages with Auto Toner Seal Removal for all cartridges. 6. Acoustic values are subject to change. For current information see www.hp.com/support. Configuration tested base model, simple printing. Air paper at an average of 20 ppm. 7. Duty cycles are defined as the maximum number of pages per month of output. This value provides a comparison of product productivity between this HP LaserJet Pro M452dw and other HP LaserJet products, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individual or groups. 8. HP recommends that the number of printed pages per month be within the stated range for optimum device performance and device longevity. Factor based on supplies replacement intervals and device life over an extended warranty period. 9. Exact speed varies depending on the input voltage, configuration, software, application driver, and document complexity. 10. Declared cartridge yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit hp.com/go/learnmore. 11. Acoustic Power Emissions (active): 6.3 B(A) Acoustic Power Emissions (ready): 4.8 B(A) Acoustic Pressure Vibrations (active): 0.4 dB(A) Acoustic Pressure Vibrations (ready): 0.4 dB(A)