



HP Sales Central

HP Color LaserJet Pro M454dw (W1Y45A)

Active as of 6/1/2019



Overview

Winning in business means working smarter. The HP Color LaserJet Pro M454 printer is designed to let you focus your time where it's most effective—helping to grow your business and staying ahead of the competition.

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at:

<http://www.hp.com/learn/ds>

List Price

\$829.28

Best-in-class security⁶

A suite of embedded security features help protect your printer from being an entry point for attacks.⁶

Help secure confidential information with optional PIN/Pull printing to retrieve print jobs.⁷

Optional HP JetAdvantage Security Manager lets you set configuration policies and validate settings.⁸

Built to keep you—and your business—moving forward.

Help decrease the amount of paper used in the office by printing on both sides of the page.

Grab pages and go—without waiting. This device wakes up and prints first page out fast.¹

Print wirelessly with or without accessing the network with dual band Wi-Fi and Wi-Fi direct.^{2,3,4}

Simply designed to uncomplicate your day

Set up this printer fast and easily manage device settings to help increase overall printing efficiency.

Make the most of your office space with a printer that conveniently fits into your work style.

Work without delays or messes, with cartridges featuring auto seal removal.

Sustainability is smart business

Avoid frustrating reprints, wasted supplies, and service calls using Original HP toner cartridges.

Help save paper right out of the box. The duplex print setting is set at default paper savings mode.⁹

Saves up to 11% energy over prior products.¹⁰

Replaces

Status	Product Name	Discontinued	SKU
Discontinued	HP Color LaserJet Pro M452dw	07/31/2019	CF394A

Specifications

Functions

Print

Print speed black (ISO, letter)

Up to 28 ppm^{12 1}

Print speed color (ISO)

Up to 28 ppm^{12 1}

Print speed duplex (letter)

Up to 25 ipm

Print speed duplex (letter)

Up to 25 ipm

First page out black (letter, ready)

As fast as 9.3 sec

First page out color (letter, ready)

As fast as 11.1 sec

Duty cycle (monthly, letter)

Up to 50,000 pages^{9 1}

(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.)

3

Recommended monthly page volume

750 to 4000^{10 1}

Number of users

3-10 Users

Print technology

Laser

Print quality black (best)

600 x 600 dpi, Up to 38,400 x 600 enhanced dpi

Print quality color (best)

600 x 600 dpi, Up to 38,400 x 600 enhanced dpi

Processor speed

1200 MHz

Print languages

HP PCL 6, HP PCL 5e, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster

Display

2.7-in intuitive color touchscreen

Print colors

Yes

Number of print cartridges

4 (1 each black, cyan, magenta, yellow)

Mac compatible

Yes

Printer Management

HP Printer Assistant; HP Utility (Mac); HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)

Security management

Secure Boot; Secure Firmware Integrity; Runtime Code Integrity; password protected EWS; secure browsing via SSL/TLS 1.0; TLS 1.1; TLS 1.2; IPP over TLS; Network: enable/disable network ports and features; unused protocol and service disablement; SNMPv1; SNMPv2; and SNMPv3; community password change; HP ePrint: HTTPS with certificate validation; HTTP Basic Access Authentication; SASL authentication; Firewall and ACL; control panel lock; certificates configuration; UPD PIN printing; Syslog; signed firmware; administrator settings; 802.1x authentication (EAP-TLS, and PEAP); authentication via WEP; WPA/WPA2 Personal; WPA2-enterprise; encryption via AES or TKIP; Encrypted data storage; Secure data erase; Automatic firmware

updates; Secure Encrypted Print via optional job storage; Compatible with optional HP JetAdvantage Security Manager; IPPS

Fonts and typefaces

84 scalable TrueType fonts

Mobile printing capability

Apple AirPrint™; Google Cloud Print™; HP ePrint; HP Smart App and other mobile Apps; Mopria™ Certified; ROAM capable for easy printing; Wi-Fi® Direct printing⁶1

Wireless capability

Yes, built-in dual-band Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wi-Fi Direct; Bluetooth Low-Energy

Connectivity, standard

1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE); 802.11b/g/n/2.4/5 GHz Wi-Fi radio

Minimum System Requirements

2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com

Minimum System Requirements for Macintosh

2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com

Compatible Operating Systems

Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave

Compatible Network Operating Systems

Windows 11; Windows Server; Linux; Citrix; UNIX; Novell

Memory

512 MB NAND Flash, 512 MB DRAM

Maximum Memory

512 MB NAND Flash, 512 MB DRAM

Paper handling input, standard

50-sheet multipurpose tray, 250-sheet input tray

Paper handling input, optional

Optional 550-sheet tray

Input capacity

Up to 300 sheets

Maximum input capacity (sheets)

Up to 850 sheets (with Optional 550-sheet tray)

Paper handling output, standard

150-sheet output bin

Output capacity

Up to 150 sheets

Maximum output capacity (sheets)

Up to 150 sheets

Duplex printing

Automatic (default)

Paper trays, standard

2

Paper trays, maximum

3

Envelope Feeder

No

Media sizes supported

Tray 1, Tray 2: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in, envelopes (No 10, Monarch); Optional Tray 3: Letter, legal, executive, Oficio (8.5 x 13 in), 4 x 6 in, 5 x 8 in; Automatic duplexer: Letter, legal, executive, Oficio (8.5 x 13 in)

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

Media types

Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes

Media weight, supported

Tray 1: 16 to 47 lb bond (up to 52 lb with HP Color laser glossy photo papers); Tray 2: 16 to 43 lb bond (up to 47 lb with postcards, up to 52 lb with HP Color laser glossy photo papers); optional Tray 3: 16 to 43 lb bond (up to 47 lb with postcards, up to 40 lb with HP Color laser glossy photo papers); Automatic duplexer: 16 to 43 lb

Power

110-volt input voltage: 110 to 127 VAC (+/- 10%), 60 Hz (+/- 3 Hz); 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz) (Not dual voltage, power supply varies by part number with # Option code identifier)

Power supply type

Internal (built-in) Power Supply

Power consumption

550 watts (active printing), 17 watts (ready), 0.9 watts (sleep), 0.9 watts (HP auto-off/auto-on), 0.07 watts (auto-off/manual-on), 0.07 watts (off) ²1

Typical electricity consumption (TEC) number

1.046 kWh/Week (Blue Angel); 0.394 kWh/Week (Energy Star 3.0)

Ecolabels

ENERGY STAR[®] qualified; EPEAT[®] Silver; CECP

Energy star certified

Yes

Operating temperature range

50 to 90.5°F

Recommended operating humidity range

30 to 70% RH (non-condensing)

Minimum dimensions (W x D x H)

16.2 x 18.5 x 11.6 in

Maximum dimensions (W x D x H)

16.2 x 25.6 x 13.4 in

Weight

41.7 lb

UPC number

192018996182

Package dimensions (W x D x H)

19.57 x 14.92 x 22.95 in

Package weight

48.7 lb

Quantity per pallet

24 (NA/APJ), 18 (EMEA)

Pallet dimensions

47.24 x 39.37 x 97.76 in (AMS/APJ), 47.24 x 39.37 x 74.8 in (EMEA)

Pallet weight

1213.9 lb (NA), 921.7 lb (EMEA/APJ)

Country of origin

Made in Vietnam

What's in the box

HP Color LaserJet Pro M454dw

4 preinstalled Introductory HP LaserJet Toner cartridges (Black, Cyan, Magenta, Yellow: ~1200 pages)

In-box documentation (Getting Started Guide, Install Poster), regulatory flyer, warranty card (China, Mexico)

Internet connection is required to set up the printer. HP printer software is available at

<http://www.hp.com/support>

Power cord

USB cable.

Cable included

Yes, 1 USB cable

Replacement cartridges

AMS: For distribution and use in North America and Latin America only: HP 414A Black Original LaserJet Toner Cartridge (~2,400 pages) W2020A; HP 414A Cyan Original LaserJet Toner Cartridge (~2,100 pages) W2021A; HP 414A Yellow Original LaserJet Toner Cartridge (~2,100 pages) W2022A; HP 414A Magenta Original LaserJet Toner Cartridge (~2,100 pages) W2023A; HP 414x Black Original LaserJet Toner Cartridge (~7,500 pages) W2020x; HP 414x Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2021x; HP 414x Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2022x; HP 414x Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2023x; EMEA: For distribution and use in Europe, Middle East, Russia, CIS, and Africa only: HP 415A Black Original LaserJet Toner Cartridge (~2,400 pages) W2030A; HP 415A Cyan Original LaserJet Toner Cartridge (~2,100 pages) W2031A; HP 415A Yellow Original LaserJet Toner Cartridge (~2,100 pages) W2032A; HP 415A Magenta Original LaserJet Toner Cartridge (~2,100 pages) W2033A; HP 415x Black Original LaserJet Toner Cartridge (~7,500 pages) W2030x; HP 415x Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2031x; HP 415x Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2032x; HP 415x Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2033x; APJ: For distribution and use in Asia Pacific only: HP 416A Black Original LaserJet Toner Cartridge (~2,400 pages) W2040A; HP 416A Cyan Original LaserJet Toner Cartridge (~2,100 pages) W2041A; HP 416A Yellow Original LaserJet Toner Cartridge (~2,100 pages) W2042A; HP 416A Magenta Original LaserJet Toner Cartridge (~2,100 pages) W2043A; HP 416x Black Original LaserJet Toner Cartridge (~7,500 pages) W2040x; HP 416x Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2041x; HP 416x Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2042x; HP 416x Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2043x

Software included

No software solutions are included in the Box

only on <http://hp.com>

<http://123.hp.com/laserjet>

Manufacturer Warranty

One-year Bench/Depot Repair warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4E; wty ID A033)

Overview

- 1 Measured using ISO/IEC 24734 and 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. Letter: Black/Color-9.8/12.1, A4: Black/Color 9.9/12.4 sec.
- 2 Wireless operations are compatible with 2.4 GHz and 5 GHz operations. 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>
- 3 Features is only supported by the HP LaserJet Pro M454nw and M454dw printers. Wireless performance is dependent on physical environment and distance from access point, and may be limited during active VPN connections.
- 4 Feature is supported on the HP LaserJet Pro M454nw and M454dw printers only. 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>
- 6 Based on HP review of 2019 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: <http://www.hp.com/go/printersecurityclaims>
- 7 Pin printing enabled via USB installed in rear of device.
- 8 HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit <http://www.hp.com/go/securitymanager>
- 9 All new product introductions beginning in Fall 2019 will include consistent worldwide default duplex settings (across bundles/drivers); Spring 2019 will include consistent worldwide default duplex settings for most products across the most common drivers.
- 10 Based on HP Internal testing using normalized TEC Value, 2019.

Specifications

- 2 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. Power consumption values typically based on measurement of 115V device.
- 6 Local printing requires mobile device and printer to be on the same network (usually Wi-Fi access points bridge wireless to wired connections) or have a direct wireless connection. Wireless performance is dependent on physical environment and distance from access point. Remote printing requires an Internet connection to an HP web-connected printer. Wireless broadband use requires separately purchased service contract for mobile devices. Check with service provider for coverage and availability in your area. For more information visit hp.com/go/mobileprinting. To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit hp.com/go/roam
- 9 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.
- 10 HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period
- 12 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.

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