eDatasheet

HP Color LaserJet Pro M454nw (W1Y43A)

HP Color LaserJet Pro M454 printer. Designed to let you focus on growing business, staying ahead.

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.



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

Best -in-class security [6]
A suite of embedded security features help protect your printer from being an entry point for attacks.[6]

Simply designed to uncomplicate your day
Set up this printer fast and easily manage device settings to help increase overall printing efficiency.

Featuring

Enhanced workflows

Wi-Fi-Dual band

Enhanced security

Bluetooth® Low-Energy for HP Roam for Business

New user interface

Energy efficient

Specifications

Print Resolution Technologies	HP ImageREt 3600, PANTONE® calibrated
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
Print speed black (ISO, A4)	Up to 27 ppm
Print speed black (ISO, letter)	Up to 28 ppm
Print Speed Color (ISO)	Up to 27 ppm
Print speed color (ISO)	Up to 28 ppm
Print speed	Print speed up to 28 ppm (black) and 28 ppm (color)
Functions	Print
Duplex printing	Manual (driver support provided)
Duty cycle (monthly, A4)	Up to 50,000 pages
Duty cycle (monthly, letter)	Up to 50,000 pages[9]
Printer smart software features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, Wi-Fi Direct Printing, ROAM enabled for easy printing, HP ePrint, HP Auto-On/Auto-Off Technology, Bluetooth® Low-Energy, Job Storage with PIN printing, N-up printing, collation
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology
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[4]
Supplies feature	HP JetIntelligence Cartridge
Connectivity, standard	1 Hi-Speed USB 2.0 port; 1 host USB at rear side; built-in Gigabit Ethernet 10/100/1000 Base-TX network port; 1 Wireless 802.11b/g/n/2.4/5 Ghz Wi-Fi radio
Network capabilities	Yes, via built-in 10/100/1000Base-Tx Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1x
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
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 printing
Network protocols, supported	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, 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
Software included	No software solutions are included in the Box, only on http://hp.com, http://123.hp.com/laserjet
Compatible Operating Systems	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems, For more information on the supported operating systems see http://www.hp.com/go/upd
Environmental	Mercury free

ENERGY STAR® certified	No
Energy efficiency	CECP
Blue Angel compliant	No, please refer to the ECI (Ecolabel Comparison Information) document
Display area (imperial)	1.77 x 0.47 in
Display area (metric)	44 x 12 mm
Display	2-line backlit LCD graphic display
Minimum dimensions (W x D x H)	412 x 453 x 295 mm
Minimum dimensions (W x D x H)	16.2 x 17.8 x 11.6 in
Weight	17.5 kg
Weight	38.6 lb
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)[2]
Power supply type	Internal (built-in) Power Supply
What's in the box	HP Color LaserJet Pro M454nw; 4 preinstalled Introductory HP LaserJet Toner cartridges (Black, Cyan, Magenta, Yellow: ~1200 pages); In-box documentation (Getting Started Guide, Install Poster), regulatory flyer; Internet connection is required to set up the printer. HP printer software is available at http://www.hp.com/support; Power cord; USB cable[1]
Services (Care Pack)	UB9U7E - HP 3y NBD CLJ Pro M454 SVC; UB9U8E - HP 4y NBD CLJ Pro M454 SVC; UB9U9E - HP 5y NBD CLJ Pro M454 SVC; UC0Q8E - HP 3y 4h 9x5 CLJ Pro M454 SVC; UC0Q9E - HP 4y 4h 9x5 CLJ Pro M454 SVC; UC0R0E - HP 5y 4h 9x5 CLJ Pro M454 SVC; UB9V0E - HP 3y NBD Exchange CLJ Pro M454 SVC; UB9V1E - HP 3y Onsite Exchange CLJ Pro M454 SVC; UB9V2E - HP 3y Return to Depot CLJ Pro M454 SVC; UB9V3PE - HP 1y PW NBD CLJ Pro M454 SVC; UC0R1PE - HP 1y PW 4h 9x5 CLJ Pro M454 SVC; UB9V4PE - HP 1y PW NBD Exchange CLJ Pro M454 SVC; UB9V5PE - HP 1y PW Onsite Exch CLJ Pro M454 SVC; UB9V6PE - HP 1y PW Return to Dep CLJ Pro M454 SVC; U9JT1E - HP Inst SVC w/nw Personal Scanner & Prnt
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)

Accessories and services

No Recommended Accessories and Services

Messaging Footnotes

[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

Technical Specifications Footnotes

[1] In box cartridges yield ~1,200 color composite (C/Y/M) and ~1,200 black pages based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see: http://www.hp.com/go/learnaboutsupplies. Pages may vary based on customer printing conditions.

[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 typicallty based on measurement of 115V device.

[4] Toner cartridges designed for distribution and use within a designated region only; will not work outside of designated region.

[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.