HP Color LaserJet Pro M454 series

Lighten your workload, focus on your business

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.

HP Color LaserJet Pro M454dn

HP Color LaserJet Pro M454dw

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. Learn more at: http://www.hp.com/go/learnaboutsupplies

Highlights

- 2 sided printing
- Dual band Wi-Fi & wireless
- Embedded Security features
- HP Roam enabled

2-sided printing

Printer security settings

USB drive

Wireless

Mobile printing

Low energy

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]
- ROAM compatible for easy printing from virtually anywhere.[5]

HP's best-in-class security[6]

- 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]
- Thwart potential attacks and take immediate action with instant notification of security issues.[9]

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.
- Tackle tasks quickly and easily – with the simple 6.8 cm colour touchscreen.

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.[10]
- Saves up to 11% energy over prior products.[11]
- Help save energy with HP Auto-on/Auto-off technology.[12]

Product walkaround

HP Color LaserJet Pro M454dw shown

1. 150 sheet output bin
2. Easy-access USB port
3. Front door release button
4. Front door access to HP JetIntelligence toner cartridges
5. Hi-Speed USB 2.0 printing port, USB port for job storage with PIN printing, Gigabit Ethernet LAN port
6. 6.9 cm customisable colour touchscreen
7. 50 sheet multipurpose tray 1 supports media sizes up to 216 x 356 mm
8. Dual-band Wi-Fi with Bluetooth® Low Energy for easy wireless printing and setup
9. Automatic two-sided printing
10. 250 sheet tray 2 supports media sizes up to 216 x 356 mm

Series at a glance

Model	HP Color LaserJet Pro M454dn	HP Color LaserJet Pro M454dw
Product number	W1Y44A	W1Y45A
Functions	Print	
Print speed (black and colour)	Up to 27 pages per minute	
Two-sided printing	Automatic	
50 sheet multipurpose tray 1, 250 sheet tray 2	Yes	
Optional input accessory: 550 sheet paper tray	Yes	
Easy-access USB port	Not available	Yes
Control panel	2-line LCD	6.9 cm colour touchscreen
Input capacity (standard/maximum)	Up to 300/850 sheets	
Recommended monthly page volume	Up to 4,000 pages	
Cartridge yields (A/X)	Black: ~2,400/7.500 pages; Colour: ~2,100/6,000 pages	
Dual-band Wi-Fi with Bluetooth® Low Energy	Not available	Yes

Accessories, Supplies and Support

Supplies	**W2030XC** HP 415X Black Contract LaserJet Toner Cartridge (7,500 pages) **W2031XC** HP 415X Cyan Contract LaserJet Toner Cartridge (6,000 pages) **W2032XC** HP 415X Yellow Contract LaserJet Toner Cartridge (6,000 pages) **W2033XC** HP 415X Magenta Contract LaserJet Toner Cartridge (6,000 pages)
Service and Support	**UB9U7E** HP 3 year Next Business Day Color LaserJet Pro M454 Service **UB9V3PE** HP 1 year Post Warranty Next Business Day Color LaserJet Pro M454 Service

Technical specifications

Model	HP Color LaserJet Pro M454dn	HP Color LaserJet Pro M454dw
Product number	W1Y44A	W1Y45A
Functions	Print	
Control panel	2-line backlit LCD graphic display; 5 buttons (Cancel, Select, Reverse, Right/Left arrows); LED indicator lights (Attention, Ready)	6.85 cm (2.7 in) intuitive colour touchscreen; 3 Buttons (Home, Help, Back)
Print		
Print technology	Laser	
Print speed[1]	**Black (A4, normal)** Up to 27 ppm; **Colour (A4, normal)**: Up to 27 ppm; **Black (A4, duplex)**: Up to 24 ipm; **Colour (A4, duplex)**: Up to 24 ipm;	
First page out[2]	**Black (A4, ready)**: As fast as 9.5 sec; **Colour (A4, ready)**: As fast as 11.1 sec; **Black (A4, sleep)**: As fast as 11.0 sec; **Colour (A4, sleep)**: As fast as 12.1 sec;	
Print resolution	**Black (best)**: 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi; **Colour (best)**: 600 x 600 dpi, Up to 38, 400 x 600 enhanced dpi; **Technology**: HP ImageREt 3600, PANTONE® calibrated;	
Monthly duty cycle[3]	Up to 50,000 pages A4; **Recommended monthly page volume**[4]: 750 to 4,000	
Printer smart software features	Apple AirPrint™, Mopria certified, Google Cloud Print 2.0, ROAM capable for easy printing, HP ePrint, HP Auto-On/Auto-Off Technology, Job Storage with PIN printing, N-up printing, collation	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
Standard print languages	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, PWG Raster	HP PCL 6, HP PCL 5c, HP postscript level 3 emulation, PDF, URF, Native Office, PWG Raster
Fonts and typefaces	84 scalable TrueType fonts	
Print area	**Print margins** Top: 4.23 mm, Bottom: 4.23 mm, Left: 4.23 mm, Right: 4.23 mm; Maximum print area: 211.8 x 351.8 mm	
Duplex printing	Automatic (default)	

Model	HP Color LaserJet Pro M454dn	HP Color LaserJet Pro M454dw
Product number	W1Y44A	W1Y45A
Processor speed	1200 MHz	
Connectivity		
Standard	1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE)	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
Wireless		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[5]	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	
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, 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	
Network capabilities	Yes, via built-in 10/100/1000Base-Tx Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1x	
Memory	**Standard**: 256 MB NAND Flash, 512 MB DRAM, **Maximum**: 256 MB NAND Flash, 512 MB DRAM	**Standard**: 512 MB NAND Flash, 512 MB DRAM; **Maximum**: 512 MB NAND Flash, 512 MB DRAM
Media handling		
Number of paper trays	**Standard**: 2 ; **Maximum**: 3	
Media types	Paper (bond, brochure, coloured, glossy, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes	
Media 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); 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); 10 x 15 cm; Oficio (216 x 340 mm); Postcards (JIS single, JIS double); Envelopes (DL, C5, B5); Optional Tray 3: A4; A5; A6; B5 (JIS); B6 (JIS); 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); 10 x 15 cm; Oficio (216 x 340 mm); Postcards (JIS single, JIS double); Automatic duplexer: A4; B5; 16K (195 x 270 mm, 184 x 260 mm; 197 x 273 mm); Oficio (216 x 340 mm)	
Media handling	**Standard input**: 50 sheet multipurpose tray, 250 sheet input tray **Standard output**: 150 sheet output bin **Optional input**: Optional 550 sheet tray	
Media 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;	
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)	

Model	HP Color LaserJet Pro M454dn	HP Color LaserJet Pro M454dw
Product number	W1Y44A	W1Y45A
Output capacity	**Standard**: Up to 150 sheets Envelopes: Up to 20 envelopes **Maximum**: Up to 150 sheets	
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://www.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	
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix xenApp & xenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - up to Citrix Server 7.18 for more information see http://www.citrixready.citrix.com, Linux for more information see http://www.developers.hp.com/hp-linux-imaging-and-printing, Unix for more information see http://www.hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://www.hp.com/go/upd	
Minimum system requirements	**Windows**: 2 GB available hard disk space, Internet connection, USB port, Internet browser, for additional OS hardware requirements see http://www.microsoft.com; **Mac**: 2 GB available hard disk space, Internet connection or USB port, for additional OS hardware requirements see http://www.apple.com	
Software included	No software solutions are included in the Box, only on http://www.hp.com, http://www.123.hp.com/laserjet	
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, Encrypted data storage, Secure data erase, Automatic firmware updates, Secure Encrypted Print via optional job storage, Compatible with optional HP JetAdvantage Security Manager	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
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)	
Dimensions and weight		
Printer dimensions (W x D x H)	**Minimum** 412 x 469 x 295 mm; **Maximum**: 412 x 649 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	
Printer weight	18.9 kg	
Package weight	22.0 kg	22.1 kg
Operating environment	**Temperature**: 10 to 32.5°C; **Humidity**: 30 to 70% RH (non-condensing)	
Storage conditions	**Temperature**: -20 to 40°C;	
Acoustics[b]	**Acoustic power emissions**: 6.2 B(A); **Acoustic pressure emissions**: 48 dB(A)	
Power[7]	**Requirements**: 220-volt input voltage: 220 to 240 VAC (+/- 10%), 50/60Hz (+/- 3 Hz); **Consumption**: 550 watts (Active Printing), 17 watts (Ready), 0.9 watts (Sleep), 0.9 watts (Auto-Off/Auto-On), 0.07 watts (Auto-Off/Manual-On), 0.07 watts (Off); **Typical Electricity Consumption (TEC)**[8]: Blue Angel: 1.046 kWh/Week; Energy Star 3.0: 0.394 kWh/Week; **Power supply type**: Internal (built-in) Power Supply;	
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology	
Certifications[9]	CISPR 32:2012/EN 55032:2012 - Class B, CISPR 32:2015/EN 55032:2015 - Class B, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010+A1:2015 ENERGY STAR® qualified; EPEAT® Silver; CECP	
Blue Angel compliant	Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies	
Country of origin	Made in Vietnam	
What's in the box[10]	HP Color LaserJet Pro M454dn; 4 preinstalled Introductory HP LaserJet Toner cartridges (black, cyan, magenta, yellow: 1,200 pages); In-box documentation (Getting Started Guide, Install Poster); Regulatory flyer; Power cord; Internet connection is required to set up the printer. HP printer software is available at http://www.hp.com/support.	HP Color LaserJet Pro M454dw; 4 preinstalled Introductory HP LaserJet Toner cartridges (black, cyan, magenta, yellow: 1,200 pages); In-box documentation (Getting Started Guide, Install Poster); Regulatory flyer; Power cord; USB cable; Internet connection is required to set up the printer. HP printer software is available at http://www.hp.com/support.
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 http://www.hp.com/support to learn about HP award winning service and support options in your region. (wty code 4E; wty ID A033)	

Footnotes

[1] Measured using ISO/IEC 24734 and excludes first set of test documents. Exact speed varies depending on the system configuration, software application, driver, and document complexity. A4: Black/Colour 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.
[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 hpconnected.com
[6] Based on HP review of 2019 published security features of HP in-class printers. 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 http://www.hp.com/go/PrintersThatProtect.
[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] Instant threat notifications can appear on the device control panel when a potential threat occurs from malicious intent or there is a bug or vulnerability in the firmware code of the device. If this error raises concern, please contact your company IT representative or, if unavailable, HP Support, who can investigate the cause through analysis of device syslog data using a standard SIEM tool from McAfee, Splunk, Arcsight or SIEMonster. The control panel error message may show an error code on a blue screen during code signature checks or memory write intrusions.
[10] 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.
[11] Based on HP Internal testing using normalised TEC Value, 2019.
[12] HP Auto-On/Auto-Off Technology capabilities subject to printer and settings; may require a firmware upgrade.

Technical specifications disclaimers

[1] 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.
[2] Measured using ISO/IEC 17629. For more information see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[3] 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.
[4] 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.
[5] 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 http://www.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 http://www.hp.com/go/roam.
[6] 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 27 ppm.
[7] 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.
[8] Blue Angel TEC is equal to Best TEC. 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. Energy Star value typically based on measurement of 115 V device.
[9] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[10] In box cartridges yield: 1,200 colour 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.

www.blauer-engel.de/uz205

http://www.hp.com/uk

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