

HP Color LaserJet Enterprise M455dn



Small and mighty: HP's smallest Enterprise printer



HP's entry-level Enterprise-class color printer with speeds up to 28 ppm⁸ and strongest security.¹

Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features² to optimize your investment for years to come.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.³
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons.
- Set up this printer fast, and easily manage device settings to help increase efficiency.

The world's most secure printing¹

- The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.
- Common Criteria certified⁴ to continually monitor memory activity to detect and stop attacks in real time.
- Firmware is automatically checked during startup to determine if it's authentic code—digitally signed by HP.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Safeguard data stored on this printer—keys, passwords, certificates, and more—with the embedded HP Trusted Platform Module.⁵

Enhanced productivity to empower work teams

- Give workgroups what they need to succeed with hundreds of HP and third-party solutions and card reader support.
- Help ensure the security of confidential information with PIN/Pull printing to retrieve print jobs.
- Stay connected with an optional accessory for wireless,⁶ Bluetooth® Low Energy, and NFC touch-to-print.
- Print directly from the 2.7-inch (6.9 cm) color display.

Sustainability is smart business

- Help save paper right out of the box. Two-sided (duplex) printing is set at default for automatic savings.⁷
- Help reduce wasted paper and toner by only printing jobs that are truly needed, using HP Secure Print.⁸
- Save energy without sacrificing performance—this printer is ENERGY STAR® and Blue Angel certified.
- Leverage HP End of Life Solutions to ensure your Hardware and Supplies are sustainably retired.

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>

Footnotes

¹ HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit hp.com/go/PrintersThatProtect. For more information, visit hp.com/go/PrinterSecurityClaims

² Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature.

³ HP Web Jetadmin is free and available for download at hp.com/go/webjetadmin

⁴ Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: <https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf>

⁵ Use of the HP Trusted Platform Module may require a firmware upgrade.

⁶ Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.

⁷ Dependent upon country setup specifications.

⁸ HP Secure Print is optional and requires a license.

Technical specifications

Functions	Print
Print technology	Laser
First page out ³	Black (A4, ready): As fast as 9.5 sec; Colour (A4, ready): As fast as 11.0 sec
Print resolution	Black (best): Up to 600 x 600 dpi; Colour (best): Up to 600 x 600 dpi
Monthly duty cycle	Up to 55,000 pages A4; Recommended monthly page volume: 900 to 4,800 Pages
Printer smart software features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB.
Standard print languages	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print area	Print margins: Top: 2 mm, Bottom: 2 mm, Left: 2 mm, Right: 2 mm; Maximum print area: 212 x 352 mm
Number of supplies	4 (1 each black, cyan, magenta, yellow)
Duplex printing	Automatic (default)
Processor speed	800 MHz
Connectivity	Standard: 2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network; Optional: HP Jetdirect LAN Accessory 8FP31A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
Wireless	Optional, enabled with purchase of a wireless hardware accessory. Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
Mobile printing capability	HP ePrint; Apple AirPrint™; NFC Touch-to-print (optional); PrinterOn Print; Mopria™ certified
Network capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (Optional); second Ethernet port (Optional); Microsoft Universal Print (MUP) support
Hard disk	Not applicable to this product
Memory	Standard: 1.25 GB
Number of paper trays	Standard: 2
Media types	Paper (bond, brochure, colored, glossy, letterhead, 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: 98 x 148 to 216 x 356 mm; Optional Tray: 98 x 148 to 216 x 356 mm Supported (metric): Tray 1: A4, RA4, A5, B5 (JIS), B6 (JIS), 10 x 15 cm, A6, 16K, envelopes (B5, C5 ISO, C6, DL ISO); Custom: 76 x 127 to 216 x 356 mm; Tray 2: A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm; Optional Tray 3: A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm
Media weight, supported	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	Standard: Up to 300 sheets
Output capacity	Standard: Up to 150 sheets Envelopes: Up to 20 envelopes
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; macOS 10.15 Catalina
Minimum system requirements	Windows: 2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see microsoft.com Mac: 2 GB available hard drive space Internet connection or USB port Internet browser. For additional OS hardware requirements see apple.com
Software included	No software solutions are included in the Box only on http://hp.com or http://123.hp.com
Printer dimensions (W x D x H)	Minimum: 413.6 x 472 x 304.4 mm; Maximum: 413.6 x 1038 x 330 mm (printer fully opened)
Package dimensions (W x D x H)	497 x 379 x 583 mm

Printer weight	~18.9 kg
Package weight	21.6 kg
Operating environment	Temperature: 15 to 32.5°C Humidity: 30 to 70% RH
Storage conditions	Temperature: -20 to 40°C
Acoustics	Acoustic power emissions: 5.9 B(A) @ 27 ipm Acoustic pressure emissions: 48 d(A) @ 27 ipm
Power	Requirements: 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); Consumption: 574 watts (active printing), 16.7 watts (ready), 1.1 watts (sleep), 0.08 watts (auto-off/manual-on), 0.08 watts (manual off); Typical Electricity Consumption (TEC): 0.437 kWh/Week (Energy Star 3.0); Power supply type: Internal (built-in) Power Supply
Certifications	CISPR 22:2008 (International) Class A, CISPR 32:2012 (International)/ EN 55032:2012, CISPR 35:2016 (International)/ EN 55035:2017, EN 55024:2010 +A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, FCC CFR 47 Part 15 Class A, ICES-003, Issue 6 Class A. Other EMC approvals as required by individual countries. CECP; Blue Angel; EPEAT® Silver India; EPEAT® Silver Australia; EPEAT® Silver Canada; EPEAT® Silver US; ENERGY STAR® certified Blue Angel compliant: Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Sustainable impact specifications	Mercury-free
Country of origin	Made in Vietnam; Made in Japan (#201)
Control panel	diagonal Color TFT-LCD back-lit (960 (H) x 240 (V))
What's in the box	3P295A: HP Color LaserJet Enterprise M455dn printer; HP Black Original LaserJet Toner Cartridge (~2,400 pages); HP Cyan, Magenta, Yellow Original LaserJet Toner Cartridges (~2,100 pages each); Getting started Guide; 1 Power cord
Supplies, After market or Supplies, replacement	W2040A HP 416A Black Original LaserJet Toner Cartridge (~2,400 pages) W2040X HP 416X High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2041A HP 416A Cyan Original LaserJet Toner Cartridge (~2,100 pages) W2041X HP 416X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2042A HP 416A Yellow Original LaserJet Toner Cartridge (~2,100 pages) W2042X HP 416X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2043A HP 416A Magenta Original LaserJet Toner Cartridge (~2,100 pages) W2043X HP 416X High Yield Magenta Original LaserJet Toner Cartridge (~6,000 pages)
Service and Support	U11W0E - HP 3y NBD CLJ Ent M455 SVC U11W1E - HP 4y NBD CLJ Ent M455 SVC U11W2E - HP 5y NBD CLJ Ent M455 SVC U11W3E - HP 3y 4h 9x5 CLJ Ent M455 SVC U11W4E - HP 4y 4h 9x5 CLJ Ent M455 SVC U11W5E - HP 5y 4h 9x5 CLJ Ent M455 SVC U11W6E - HP 3y 4h 13x5 CLJ Ent M455 SVC U11W7E - HP 4y 4h 13x5 CLJ Ent M455 SVC U11W8E - HP 5y 4h 13x5 CLJ Ent M455 SVC U11W9E - HP 3y NBDOnSiteExch CLJ Ent M455 SVC U11WBE - HP 4y NBDOnSiteExch CLJ Ent M455 SVC U11WCE - HP 5y NBDOnSiteExch CLJ Ent M455 SVC U11WDE - HP 3y ChnlPartsOnly CLJ Ent M455 SVC U11WFE - HP 4y ChnlPartsOnly CLJ Ent M455 SVC U11WGE - HP 5y ChnlPartsOnly CLJ Ent M455 SVC U11WHPE - HP 1y PW NBD CLJ Ent M455 SVC U11WJPE - HP 2y PW NBD CLJ Ent M455 SVC U11WKPE - HP 1y PW 4h 9x5 CLJ Ent M455 SVC U11WLPE - HP 2y PW 4h 9x5 CLJ Ent M455 SVC U11WMPE - HP 1y PW 4h 13x5 CLJ Ent M455 SVC U11WNPE - HP 2y PW 4h 13x5 CLJ Ent M455 SVC U11WPPE - HP 1yPW NBDOnSiteExch CLJ Ent M455 SVC U11WQPE - HP 1y PW ChnlPartsOnly CLJ Ent M455 SVC U11WRPE - HP 2y PW ChnlPartsOnly CLJ Ent M455 SVC U9JT3E - HP Inst SVC w/low Department Printer
Warranty	One-year, On-site Repair 24-hour / 7 day a week phone support

¹ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. ² For yield information on the cartridge(s) included with your printer, see <http://www.hp.com/go/toneryield>. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. ³ Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh). ⁴ 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 115V device and 230V for Blue Angel. ⁵ Declared yields 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/toneryield>. ⁶ Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit: <http://www.hp.com/go/learnaboutsupplies> ⁷ 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. ⁸ Measured using ISO/IEC 24734 Feature Performance Test, 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. ⁹ 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. ¹⁰ Requires HP FutureSmart 5.8.1.1 or later.

