

# HP Color LaserJet Enterprise M455dn



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## Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features<sup>2</sup> to optimize your investment for years to come.
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.<sup>3</sup>
- 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 printing<sup>1</sup>

- The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.
- Common Criteria certified<sup>4</sup> 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.



## 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,<sup>6</sup> Bluetooth<sup>®</sup> 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.<sup>7</sup>
- Help reduce wasted paper and toner by only printing jobs that are truly needed, using HP Roam for Business.<sup>8</sup>
- Save energy without sacrificing performance—this printer is ENERGY STAR<sup>®</sup> and Blue Angel certified.
- Leverage HP End of Life Solutions to ensure your Hardware and Supplies are sustainably retired.

## Technical specifications

<b>Product name</b>	HP Color LaserJet Enterprise M455dn
<b>Product number</b>	3P295A
<b>Functions</b>	Print
<b>Print</b>	
Duplex printing	Automatic (default)
Print speed <sup>8</sup>	<b>Black (A4, normal):</b> Up to 27 ppm; <b>Color (A4, normal):</b> Up to 27 ppm; <b>Black (A4, duplex):</b> Up to 24 ipm; <b>Color (A4, duplex):</b> Up to 24 ipm; <b>Black (letter, normal):</b> Up to 29 ppm; <b>Black (letter, duplex):</b> Up to 25 ipm; <b>Color (letter, normal):</b> Up to 29 ppm; <b>Color (letter, duplex):</b> Up to 25 ipm;
First page out <sup>10</sup>	<b>Black (A4, ready):</b> As fast as 9.5 sec; <b>Color (A4, ready):</b> As fast as 11.0 sec; <b>Black (A4, sleep):</b> As fast as 11 sec; <b>Color (A4, sleep):</b> As fast as 12.1 sec
Print technology	Laser
Print resolution	<b>Black (best):</b> Up to 600 x 600 dpi; <b>Black (normal):</b> Up to 600 x 600 dpi; <b>Color (best):</b> Up to 600 x 600 dpi; <b>Color (normal):</b> Up to 600 x 600 dpi
Print resolution technology	HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Print cartridges number	4 (1 each black, cyan, magenta, yellow)
Standard print languages	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Printer management	HP Printer Assistant, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)
<b>Connectivity</b>	
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network
Mobile printing capability <sup>7</sup>	HP ePrint; Apple AirPrint™; NFC touch-to-print (optional); Mopria™ Certified; PrinterOn Print; ROAM capable for easy printing; Wi-Fi® Direct printing
Wireless capability	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
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).
<b>Memory</b>	<b>Standard:</b> 1.25 GB; <b>Maximum:</b> 1.25 GB
<b>Hard disk</b>	Not applicable to this product
<b>Processor speed</b>	800 MHz
<b>Warm-up time</b>	180 sec
<b>Paper handling</b>	
Duty cycle (monthly)	<b>Duty cycle (monthly, A4):</b> Up to 55,000 pages; <b>Recommended monthly page volume:</b> 900 to 4,800 Pages
Input capacity	50-sheet multipurpose tray, 250-sheet input tray, Optional 550-sheet tray
Output capacity	150-sheet output bin
Number of paper trays	<b>Standard:</b> 2; <b>Maximum:</b> 3
Media types	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes
Media weight	Tray 1: 60 to 176 g/m <sup>2</sup> (up to 200 g/m <sup>2</sup> with postcards and HP Color laser glossy photo papers); Tray 2: 60 to 163 g/m <sup>2</sup> (up to 176 g/m <sup>2</sup> with postcards, up to 200 g/m <sup>2</sup> HP Color laser glossy photo papers); optional Tray 3: 60 to 163 g/m <sup>2</sup> (up to 176 g/m <sup>2</sup> with postcards, up to 150 g/m <sup>2</sup> Glossy media); Automatic duplexer: 60 to 163 g/m <sup>2</sup>
Media size	<b>Custom (metric):</b> 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; <b>Supported (metric):</b> 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
<b>Printer dimensions (W x D x H)</b>	413.6 x 472 x 304.4 mm
<b>Printer weight</b>	~18.9 kg
<b>Software included</b>	No software solutions are included in the Box only on <a href="http://hp.com">http://hp.com</a> or <a href="http://123.hp.com">http://123.hp.com</a>
<b>What's in the box<sup>2</sup></b>	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
<b>Warranty</b>	One-year, On-site Repair 24-hour / 7 day a week phone support
<b>Systems</b>	
Compatible operating systems	Windows Client OS (32/64 bit)-, Win10, Win8.1, Win7 Ultimate, Mobile OS-, iOS, Android, Mac-, Apple® MacOS High Sierra v10.13, Apple® MacOS Mojave v10.14, Apple® MacOS Catalina v10.15, Discrete PCL6 Printer Driver-, For more information on the supported operating systems go to <a href="http://support.hp.com">http://support.hp.com</a> , 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 <a href="http://www.hp.com/go/upd">www.hp.com/go/upd</a>
Minimum system requirements	<b>Windows:</b> 2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>Mac:</b> 2 GB available hard drive space Internet connection or USB port Internet browser. For additional OS hardware requirements see <a href="http://apple.com">apple.com</a>
Security management	Identity management: Kerberos authentication, LDAP authentication, 1000 user PIN codes, Optional HP and 3rd party advanced authentication solutions (e.g., badge readers); Network: IPsec/firewall with Certificate, Pre-shared Key, Kerberos authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates, Access Control List; Data: Storage Encryption, Encrypted PDF & Email (uses FIPS40 validated cryptographic libraries from Microsoft), SSL/TLS (HTTPS), Encrypted Credentials; Device: HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability), Intrusion Detection (Constant in-device monitoring for attacks), Whitelisting (loads only known good code, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP PostScript Level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono World Type); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>
<b>Control panel</b>	2.7" Color Non-Touch Control Panel with 24 Keypad
<b>Display</b>	2.658" diagonal Color TFT-LCD back-lit (960 (H) x 240 (V))
<b>Power</b>	<b>Requirements:</b> 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); <b>Consumption:</b> 574 watts (active printing), 16.7 watts (ready), 1.1 watts (sleep), 0.08 watts (auto-off/manual-on), 0.08 watts (manual off); <b>Power supply type:</b> Internal (built-in) Power Supply
<b>Operating environment</b>	<b>Operating temperature range:</b> 15 to 32.5°C; <b>Recommended operating temperature range:</b> 15 to 27°C <b>Operating humidity range:</b> 10 to 90% RH; <b>Recommended operating humidity range:</b> 30 to 70% RH
<b>Ecolabels</b>	Blue Angel RAL-UZ 205; CECP; ENERGY STAR® certified; EPEAT® Silver <sup>1</sup>
<b>Sustainable impact specifications</b>	Mercury-free
<b>Acoustics</b>	<b>Acoustic power emissions:</b> 5.9 B(A) @ 27 ipm; <b>Acoustic power emissions (ready):</b> 4.5 B(A); <b>Acoustic pressure emissions:</b> 48 d(A) @ 27 ipm; <b>Acoustic pressure emissions bystander (ready):</b> 33 d(B)
<b>Safety approvals and requirements</b>	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A1:2009 +A1:2010 +A1:2011 +A2:2013 (EU); EN 60825-1:2014/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 2nd Ed. 2011-12; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 50, Dated June 24, 2007; Other safety approvals as required by individual countries.
<b>Supported network protocols</b>	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD, Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Syslog; Security: SNMPv3, SSL Cert Management, IPsec(IKEv1 and IKEv2), Firewall, 802.1x

## Ordering information

### Accessories

Number	Description
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
4QL32A	HP Legic Secure USB Reader
8FP31A	HP Jetdirect LAN Accessory
8ZN00A	HP HIP2 Card Reader Accessory Kit
CF404A	HP LaserJet 550-sheet Feeder Tray
X3D03A	HP Universal USB Proximity Card Reader
Y7C05A	HP HIP2 Keystroke Reader

### HP Care Packs

Number	Description
U11W0E	HP 3 year Next Business Day Service for Color LaserJet Enterprise M455
U11W1E	HP 4 year Next Business Day Service for Color LaserJet Enterprise M455
U11W2E	HP 5 year Next Business Day Service for Color LaserJet Enterprise M455
U11W3E	HP 3 year 4 hour 9x5 Service for Color LaserJet Enterprise M455
U11W4E	HP 4 year 4 hour 9x5 Service for Color LaserJet Enterprise M455
U11W5E	HP 5 year 4 hour 9x5 Service for Color LaserJet Enterprise M455
U11WDE	HP 3 year Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)
U11WFE	HP 4 year Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)
U11WGE	HP 5 year Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)
U11WHPE	HP 1 year Post Warranty Next Business Day Service for Color LaserJet Enterprise M455
U11WJPE	HP 2 year Post Warranty Next Business Day Service for Color LaserJet Enterprise M455
U11WKPE	HP 1 year Post Warranty 4 hour 9x5 Service for Color LaserJet Enterprise M455
U11WLPE	HP 2 year Post Warranty 4 hour 9x5 Service for Color LaserJet Enterprise M455
U11WQPE	HP 1 yr Post Wty Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)
U11WRPE	HP 2 yr Post Wty Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to [hp.com/go/cpc](http://hp.com/go/cpc)

### Supplies and Media

Number	Description
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)

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### Solutions

For more solutions information, please visit [hp.com/go/gsc](http://hp.com/go/gsc)



## Footnotes

- <sup>1</sup> 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](http://hp.com/go/PrintersThatProtect). For more information, visit [hp.com/go/PrinterSecurityClaims](http://hp.com/go/PrinterSecurityClaims)
- <sup>2</sup> 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.
- <sup>3</sup> HP Web Jetadmin is free and available for download at [hp.com/go/webjetadmin](http://hp.com/go/webjetadmin)
- <sup>4</sup> 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>
- <sup>5</sup> Use of the HP Trusted Platform Module may require a firmware upgrade.
- <sup>6</sup> Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections.
- <sup>7</sup> Dependent upon country setup specifications.
- <sup>8</sup> 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](http://hp.com/go/roam)
- <sup>9</sup> 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.

## Technical specifications disclaimers

- <sup>1</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- <sup>2</sup> 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.
- <sup>3</sup> Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
- <sup>4</sup> 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.
- <sup>5</sup> 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>.
- <sup>6</sup> 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>
- <sup>7</sup> To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB. Subscription may be required. For more information, visit <http://www.hp.com/go/roam>
- <sup>8</sup> 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.
- <sup>9</sup> 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.
- <sup>10</sup> 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.

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