HP Color LaserJet Enterprise M455dn (3PZ95A)

Active as of 1/02/2021

Overview

HP's entry-level Enterprise-class color printer with speeds up to 28 ppm [9] and strongest security. [1]

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

Easy to use, simple to manage

HP FutureSmart firmware can be updated with the latest features [2] 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.

HP's most secure printing [1]

The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.

Common Criteria certified [4] 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.

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.

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 Roam for Business. [8]

Save energy without sacrificing performance—this printer is ENERGY STAR® and Blue Angel certified.

Specifications

Functions
Print

Print speed black (ISO, A4)
Up to 27 ppm [7] 1

([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.)
3

Print Speed Color (ISO)

Up to 27 ppm[7]1

3

Print speed duplex (A4)
Up to 24 ipm

Print speed duplex (A4)
Up to 24 ipm

First page out black (A4, ready)
As fast as 9.5 sec

First page out color (A4, ready)
As fast as 11.0 sec

Duty cycle (monthly, A4)
Up to 55,000 pages

Recommended monthly page volume
900 to 4,800 Pages

(HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.)
3

Number of users
3-10 Users

Print technology
Laser

Print quality black (best)
Up to 600 x 600 dpi

Print quality color (best)
Up to 600 x 600 dpi

Processor speed
800 MHz

Print languages
HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™

Display
2.658" diagonal Color TFT-LCD back-lit (960 (H) x 240 (V))

Print colors
Yes

Number of print cartridges
4 (1 each black, cyan, magenta, yellow)

Mac compatible
Yes

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)

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 Http://www.hp.com/go/laserjetfonts

Mobile printing capability
HP ePrint; Apple AirPrint™; NFC touch-to-print (optional); Mopria™ Certified; PrinterOn Print; 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

Connectivity, standard
2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network

Connectivity, optional
HP Jetdirect LAN Accessory 8FP31A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A

Minimum System Requirements
2 GB available hard disk space Internet connection or 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 Internet browser. For additional 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; macOS 10.15 Catalina

Compatible Network Operating Systems
Windows 11; Windows Server; Linux; Citrix; UNIX; Novell

Memory
1.25 GB

Maximum Memory
1.25 GB

Memory Slots
No DIMM slot

Internal Storage
Not applicable to this product

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: 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 sizes, custom
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

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

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

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
574 watts (active printing), 16.7 watts (ready), 1.1 watts (sleep), 0.08 watts (auto-off/manual-on), 0.08 watts (manual off)

(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.)
3

Ecolabels
Blue Angel RAL-UZ 205; CECP; ENERGY STAR® certified; EPEAT® Silver

Energy star certified
Yes

Operating temperature range
15 to 32.5℃

Recommended operating humidity range
30 to 70% RH

Minimum dimensions (W x D x H)
413.6 x 472 x 304.4 mm

Maximum dimensions (W x D x H)
413.6 x 1038 x 330 mm (printer fully opened)

Weight
~18.9 kg

UPC number
(201) 193905215911; (AB0) 193905215812; (AB2) 193905215829; (ABT) 193905215867; (ABY) 193905215874; (ACJ) 193905215836; (ACQ) 193905215881; (B13) 193905481590; (B19) 193905215898; (BAZ) 193905215904; (BBU) 193905215843; (BGJ) 193905215928; (BGM) 193905215850

Package dimensions (W x D x H)
497 x 379 x 583 mm

Package weight
21.6 kg

Quantity per pallet
24 (US); 18 (EMEA/AP)

Pallet dimensions (W x D x H)

1200 x 1000 x 2483 mm

Pallet weight
538.8 kg

Country of origin
Made in Vietnam; Made in Japan (#201)

What's in the box
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

Cable included
No, please purchase USB cable separately; Yes, 1 USB (APJ Only)

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 High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2020X HP 414X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2021X HP 414X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2022X HP 414X High Yield 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 High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2030X HP 415X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2031X HP 415X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2032X HP 415X High Yield 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 High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2040X HP 416X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2041X HP 416X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2042X HP 416X High Yield Magenta Original LaserJet Toner Cartridge (~6,000 pages) W2043X

([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.)
3

Software included
No software solutions are included in the Box only on http://hp.com or http://123.hp.com

Manufacturer Warranty
One-year, On-site Repair 24-hour / 7 day a week phone support

Overview

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

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 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 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.

Specifications

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.

Detailed Specifications

Accessories
HP LaserJet 550-sheet Feeder Tray CF404A, HP JetDirect 3100w BLE/NFC/Wireless Accy 3JN69A, HP Jetdirect LAN Accessory 8FP31A, HP Legic Reader 4QL32A, HP USB Universal Card Reader X3D03A, HP HIP2 Keystroke Reader Y7C05A, HP SmartCard NIPRNet Solution for US Government CC543B, HP HIP2 Card Reader Accessory Kit 8ZN00A

Acoustic power emissions (active, printing)
5.9 B(A) @ 27 ipm

Acoustic power emissions (ready)
4.5 B(A)

Acoustic power note
Configuration tested: base model, simplex printing A4 paper at an average of 27 ipm

Acoustic pressure emissions bystander (active, printing)
48 d(A) @ 27 ipm

Acoustic pressure emissions bystander (ready)
33 dB(A)

Additional information about HP
http://www.hp.com

Additional information about HP in the countries
http://www.hp.com/uk

Automatic paper sensor
No

Blue Angel compliant
Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies

Blue Angel footnote
[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.

Blue angel footnote number
[4]

Bottom margin (A4)
2 mm

Business filter
cMPS

Cable included
No, please purchase USB cable separately; Yes, 1 USB (APJ Only)

Capacity
4 GB eMMC

Cartons per layer
6

Certifications and compliances
UL/cUL (US/Canada); RCM (Australia); TUV and GS Mark (Germany); Department of Industrial Standards of Cambodia; Bureau of Standards, Metrology and Inspection Ministry of Economic Affairs - BSMI (Taiwan); Certificate of China Compulsory Product Certification - CCC (China); Bureau of Indian Standards - BIS Registration (India); PSB (Singapore); Eastern European country approvals; CE Marking; Other Safety & EMC Certification approvals as required by individual countries.

Code name
Fenway

Color or black
Color

Compatible Network Operating Systems
Windows 11; Windows Server; Linux; Citrix; UNIX; Novell

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

Component type
Printer

Connectivity, optional
HP Jetdirect LAN Accessory 8FP31A; HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A

Connectivity, standard
2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network

Control panel
2.7" Color Non-Touch Control Panel with 24 Keypad

Copyright notice
The product could differ from the images shown. © 2014 Hewlett-Packard Development Company, L.P. The Information contained herein is subject to change without notice. Warranties for HP products and services are set out in the express warranty statements accompanying such products and services. In addition, our products and services come with guarantees that cannot be excluded under the Australian Consumer Law. Subject to the foregoing, nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Count of layers in pallet
4 (US); 3 (EMEA/AP)

Country of origin
Made in Vietnam; Made in Japan (#201)

Datasheet photo 1
AHID/fd3e4f42b9563f164f4f5846a027fc60c455ab59

Datasheet photo 3
Publication photos/455 tom apj 1.JPG

Datasheet photo 4
Publication photos/455 tom apj 2.JPG

Display
2.658" diagonal Color TFT-LCD back-lit (960 (H) x 240 (V))

Display area (imperial)
2.13 x 1.6 in

Display area (metric)
54 x 40.5 mm

Downloadable software
From http://123.hp.com-, HP Easy Start (Guided Software Install for Windows and Mac) From http://hp.com for Windows OS- Full-solution software and drivers, Basic-solution software and drivers, HP PCL6 XPS Discrete Print Driver, Product Documentation and Support, From http://hp.com for Mac OS- HP Mac OS Print Driver, HP Easy Admin, For Mobile OS- iOS For more information see http://hp.com/go/businessmobileprinting, Android For more information see http://hp.com/go/businessmobileprinting, From http://hp.com for printer administrators- Printer Administrator Resource Kit (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator), HP Universal Print Drivers PCL6 GDI & PS GDI for Windows, SAP Print Drivers for more information see http://support.hp.com/us-en/document/c05051702, HP Web JetAdmin, HP JetAdvantage Security Manager, HPLIP Linux Printer Driver for more information see http://hplipopensource.com/hplip-web/index.html, Unix Model Script Printer Driver for more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers- 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 www.hp.com/go/upd

Driver updates
Current HP printer drivers and software can be obtained from the HP Customer Care Web site: Go to http://www.hp.com/support/ (country/region may need to be selected) Select "Support" Select "Software and Drivers" Select "Printer" Enter a product name/number (The operating system is automatically detected) Select a driver or other software, Select "Download"

Duplex printing

Automatic (default)

Duty cycle (monthly, A4)
Up to 55,000 pages

Duty cycle (monthly, letter)
Up to 55,000 pages

Dynamic security
Dynamic security enabled printer

Ecolabels
Blue Angel RAL-UZ 205; CECP; ENERGY STAR® certified; EPEAT® Silver

Ecolabels footnote
[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

Electromagnetic compatibility
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.

Energy savings feature technology
HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy

Energy star certified
Yes

Engine life
100000

Envelope Feeder
No

FCC Class A emissions
FCC Class A emissions - for use in commercial environments, not residential environments

First page out black (A4, ready)
As fast as 9.5 sec

First page out black (A4, sleep)
As fast as 11 sec

First page out black (letter, ready)
As fast as 9.3 sec

First page out black (letter, sleep)
As fast as 10.9 sec

First page out color (A4, ready)
As fast as 11.0 sec

First page out color (A4, sleep)
As fast as 12.1 sec

First page out color (letter, ready)
As fast as 10.9 sec

First page out color (letter, sleep)
As fast as 12.0 sec

First page out footnote
[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.

First page out footnote number
[9]

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 Http://www.hp.com/go/laserjetfonts

Functions
Print

Image legal disclaimer
Product image may differ from actual product

Input capacity
Up to 300 sheets

Internal Storage
Not applicable to this product

Left margin (A4)
2 mm

Mac compatible
Yes

Manufacturer Warranty
One-year, On-site Repair 24-hour / 7 day a week phone support

Maximum dimensions (W x D x H)
16.3 x 40.9 x 13 in (printer fully opened)

Maximum dimensions (W x D x H)
413.6 x 1038 x 330 mm (printer fully opened)

Maximum input capacity (sheets)
Up to 850 sheets (with optional 550-sheet tray)

Maximum Memory
1.25 GB

Maximum output capacity (sheets)
Up to 150 sheets

Maximum print area
212 x 352 mm

Media size, tray 1
A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; envelopes (B5, C5 ISO, C6, DL ISO); 76 x 127 to 216 x 356 mm

Media size, tray 2
A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm

Media size, tray 3
A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm

Media sizes supported
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 sizes supported
Tray 1: letter, legal, oficio, executive, statement, 4 x 6, 3 x 5, 5 x 7, 5 x 8, postcard (JIS), double postcard (JIS), 8.5 x 13, envelope (commercial No. 9, No. 10, Monarch); Custom: 3 x 5 to 8.5 x 14 in; Tray 2: letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS); Custom: 3.9 x 5.8 to 8.5 x 14 in; Optional Tray 3: letter, executive, statement, 4 x 6, 5 x 7, 5 x 8, double postcard (JIS); Custom: 3.9 x 5.8 to 8.5 x 14 in

Media sizes supported, key
A4; Envelopes; 10 x 15 cm

Media sizes supported, key
Letter; Legal; Envelopes; 4 x 6 in

Media sizes, custom
Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 3.9 x 5.8 to 8.5 x 14 in; Optional Tray 3: 3.9 x 5.8 to 8.5 x 14 in

Media sizes, custom
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

Media type and capacity, tray 1
Sheets: 50; envelopes: 5

Media type and capacity, tray 2
Sheets: 250; envelopes: 10

Media type and capacity, tray 3
Sheets: 550

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

Media weight (tray 1)
Tray 1: 60 to 176 g/m² (up to 200 g/m² with postcards and HP Color laser glossy photo papers)

Media weight (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)

Media weight (tray 3)
Optional Tray 3: 60 to 163 g/m² (up to 176 g/m² with postcards, up to 150 g/m² Glossy media)

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

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

Memory
1.25 GB

Memory Slots
No DIMM slot

Memory upgrade
Not applicable to this product

Minimum dimensions (W x D x H)
16.3 x 18.6 x 12 in

Minimum dimensions (W x D x H)
413.6 x 472 x 304.4 mm

Minimum System Requirements
2 GB available hard disk space Internet connection or 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 Internet browser. For additional OS hardware requirements see apple.com

Mobile printing capability
HP ePrint; Apple AirPrint™; NFC touch-to-print (optional); Mopria™ Certified; PrinterOn Print; Wi-Fi® Direct printing

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).

Network protocols, supported
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

Number of print cartridges
4 (1 each black, cyan, magenta, yellow)

Number of users

3-10 Users

Operating humidity range
10 to 90% RH

Operating temperature range
15 to 32.5°C

Operating temperature range
59 to 90.5°F

Output capacity
Up to 150 sheets

Package dimensions (W x D x H)
19.57 x 14.92 x 22.95 in

Package dimensions (W x D x H)
497 x 379 x 583 mm

Package weight
21.6 kg

Package weight
47.61 lb

Page yield (set-up/inbox cartridges)
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.

Page yield footnote
[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

Page yield footnote number
[6]

Pallet dimensions
47.24 x 39.37 x 97.76 in

Pallet dimensions (W x D x H)
1200 x 1000 x 2483 mm

Pallet weight
1187.84 lb

Pallet weight
538.8 kg

Paper handling input, optional
Optional 550-sheet tray

Paper handling input, standard
50-sheet multipurpose tray, 250-sheet input tray

Paper handling output, standard
150-sheet output bin

Paper trays, maximum
3

Paper trays, standard
2

Photo (product photo, jpg, 70x100)
Printing and Digital Imaging/CB504A_70x100.jpg

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 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)

Power consumption Note

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 supply type
Internal (built-in) Power Supply

Print colors
Yes

Print languages
HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™

Print quality black (best)
Up to 600 x 600 dpi

Print quality black (normal)
Up to 600 x 600 dpi

Print quality color (best)
Up to 600 x 600 dpi

Print resolution color (normal)
Up to 600 x 600 dpi

Print Resolution Technologies
HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)

Print speed
Up to 29 ppm (black) and 29 ppm (color)

Print speed (A4/letter) footnote number
[7]

Print speed black (ISO, A4)
Up to 27 ppm

Print speed black (ISO, letter)
Up to 29 ppm

Print speed black (Landscape, A5)
Up to 49 ppm

Print speed black (Portrait, A5)
Up to 7 ppm

Print Speed Color (ISO)
Up to 27 ppm

Print speed color (ISO)
Up to 29 ppm

Print speed color (Landscape, A5)
Up to 49 ppm

Print speed color (Portrait, A5)
Up to 7 ppm

Print speed duplex (A4)
Up to 24 ipm

Print speed duplex (letter)
Up to 25 ipm

Print speed footnote
[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.

Print speed footnote (A5)
[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.

Print speed footnote number (A5)
[8]

Print technology

Laser

Printer black pages (MPV black)
175

Printer color pages (MPV color)
325

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)

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.

Processor speed
800 MHz

Product short name specifications
HP Color LaserJet Enterprise M455dn, Color, Printer for Business, Print, Compact Size; Strong Security; Energy Efficient; Two-sided printing

Quantity per pallet
24 (US); 18 (EMEA/AP)

Recommended media weight (duplex)
16 to 43 lb bond

Recommended media weight (duplex)
60 to 163 g/m²

Recommended monthly page volume
900 to 4,800 Pages

Recommended monthly page volume note
HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.

Recommended operating humidity range
30 to 70% RH

Recommended operating temperature range
15 to 27℃

Recommended operating temperature range
59 to 80.6℉

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 High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2020X HP 414X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2021X HP 414X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2022X HP 414X High Yield 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 High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2030X HP 415X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2031X HP 415X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2032X HP 415X High Yield 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 High Yield Black Original LaserJet Toner Cartridge (~7,500 pages) W2040X HP 416X High Yield Cyan Original LaserJet Toner Cartridge (~6,000 pages) W2041X HP 416X High Yield Yellow Original LaserJet Toner Cartridge (~6,000 pages) W2042X HP 416X High Yield Magenta Original LaserJet Toner Cartridge (~6,000 pages)

W2043X

Replacement cartridges footnote
[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.

Replacement cartridges footnote number
[5]

Right margin (A4)
2 mm

RMN number
BOISB-1901-00

Safety
IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +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.

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

Segment (filter)
Business

Services
HP 1 year Post Warranty 4 hour 9x5 Service for Color LaserJet Enterprise M455

Services
HP 1 year Post Warranty Next Business Day Service for Color LaserJet Enterprise M455

Services
HP 1 yr Post Wty Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)

Services
HP 2 year Post Warranty 4 hour 9x5 Service for Color LaserJet Enterprise M455

Services
HP 2 year Post Warranty Next Business Day Service for Color LaserJet Enterprise M455

Services
HP 2 yr Post Wty Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)

Services
HP 3 year 4 hour 9x5 Service for Color LaserJet Enterprise M455

Services
HP 3 year Next Business Day Service for Color LaserJet Enterprise M455

Services
HP 3 year Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)

Services
HP 4 year 4 hour 9x5 Service for Color LaserJet Enterprise M455

Services
HP 4 year Next Business Day Service for Color LaserJet Enterprise M455

Services
HP 4 year Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)

Services

HP 5 year 4 hour 9x5 Service for Color LaserJet Enterprise M455

Services
HP 5 year Next Business Day Service for Color LaserJet Enterprise M455

Services
HP 5 year Parts Exchange Service for Color LaserJet Enterprise M455 (Managed Component Only)

Services description headline 01
U11W0E

Services description headline 02
U11W1E

Services description headline 03
U11W2E

Services description headline 04
U11W3E

Services description headline 05
U11W4E

Services description headline 06
U11W5E

Services description headline 07
U11WDE

Services description headline 08
U11WFE

Services description headline 09
U11WGE

Services description headline 10
U11WHPE

Services description headline 11
U11WJPE

Services description headline 12
U11WKPE

Services description headline 13
U11WLPE

Services description headline 14
U11WQPE

Services description headline 15
U11WRPE

Software included
No software solutions are included in the Box only on http://hp.com or http://123.hp.com

Standard input capacity (envelopes)
Up to 15

Standard media sizes (duplex)
A4; A5; 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); B5 (JIS); RA4; Oficio (216 x 340 mm)

Standard media sizes (duplex, imperial)
Letter; Legal; Executive; Oficio (8.5 x 13 in)

Standard output capacity (envelopes)
Up to 20 envelopes

Storage
4 GB eMMC

Storage device and direct print support
Front-facing USB/Flash drive; USB printing

Storage temperature range
-20 to 40°C

Storage temperature range

-4 to 104°F

Supplies feature
HP JetIntelligence Cartridge

Sustainable impact specifications
Mercury-free

Target user and print volume
For teams up to 10 users; Prints up to 4,000 pages/month

Tariff numbers
8443321000; 8443321010; 84433231

Tech spec footnote
[1] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

Tech spec footnote
[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.

Tech spec footnote
[3] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

Tech spec footnote
[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.

Tech spec footnote
[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.

Tech spec footnote
[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

Tech spec footnote
[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.

Tech spec footnote
[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.

Tech spec footnote
[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.

Technical features
Compact size; JetIntelligence Toners; HP Auto-On/Auto-Off; ENERGY STAR®; AirPrint; HP ePrint; Walk-up USB (doc, ppt, pdf, jpg)

Technology logo, print 1
Publication logos/new logo with no mopria wyh.jpg

Technology logo, print 2
Publication logos/One-touch scanning3_wyh.jpg

Technology logo, print 3
Publication logos/Printer Security Settings.jpg

Technology logo, print 4
Publication logos/Wireless direct printing.jpg

Technology logo, print 5
Publication logos/Picture2 original wmh .jpg

Top key features
Compact Size; Strong Security; Energy Efficient; Two-sided printing

Top margin (A4)
2 mm

Typical electricity consumption (TEC) footnote
[3] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

Typical electricity consumption (TEC) footnote number
[3]

UNSPSC code
43212105

UPC number
(201) 193905215911; (AB0) 193905215812; (AB2) 193905215829; (ABT) 193905215867; (ABY) 193905215874; (ACJ) 193905215836; (ACQ) 193905215881; (B13) 193905481590; (B19) 193905215898; (BAZ) 193905215904; (BBU) 193905215843; (BGJ) 193905215928; (BGM) 193905215850

Warm-up time
180 sec

Warranty
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.

Waste electrical and electronic weight
17.274 Kg

Web address for additional information
Solutions: http://www.hp.com/go/gsc; Fonts and IPDS Emulation: http://www.hp.com/go/laserjetfonts; HP Web Jetadmin: http://www.hp.com/go/wja; HP Universal Print Driver: http://www.hp.com/go/upd; HP Imaging & Printing Security Center: http://www.hp.com/go/ipsc; On Demand Cloud Solutions: http://www.hpjetadvantage.com/ondemand

Weight
~18.9 kg

Weight
~41.7 lb

Weight note (imperial)
With Print Cartridges

Weight note (metric)
With Print Cartridges

What is in the box footnote
[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.

What is in the box footnote number
[2]

What's in the box
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

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