

# HP Color LaserJet Enterprise M455dn (3PZ95A)



## Overview

HP's entry-level Enterprise-class color printer with speeds up to 28 ppm<sup>[8]</sup> and strongest security.<sup>[1]</sup>

HP's entry-level Enterprise-class color printer with speeds up to 28 ppm<sup>[8]</sup> and strongest security.<sup>[1]</sup>

### 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.

### 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.

### The world's most secure printing<sup>[1]</sup>

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

### 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>

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*[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](http://hp.com/go/PrintersThatProtect). For more information, visit [hp.com/go/PrinterSecurityClaims](http://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.*

*[7] Dependent upon country setup specifications.*

*[8] HP Secure Print is optional and requires a license.*

## Specifications

<b>Print Resolution Technologies</b>	HP ImageREt 3600, Enhanced (600x600 dpi), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
<b>Print quality black (best)</b>	Up to 600 x 600 dpi
<b>Print quality color (best)</b>	Up to 600 x 600 dpi
<b>Print speed black (ISO, A4)</b>	Up to 27 ppm
<b>Print speed black (ISO, letter)</b>	Up to 29 ppm
<b>Print Speed Color (ISO)</b>	Up to 27 ppm
<b>Print speed color (ISO)</b>	Up to 29 ppm
<b>Print speed</b>	Up to 29 ppm (black) and 29 ppm (color)
<b>Bottom margin (A4)</b>	2 mm
<b>Left margin (A4)</b>	2 mm
<b>Right margin (A4)</b>	2 mm
<b>Top margin (A4)</b>	2 mm
<b>Functions</b>	Print
<b>Duplex printing</b>	Automatic (default)
<b>Duty cycle (monthly, A4)</b>	Up to 55,000 pages
<b>Duty cycle (monthly, letter)</b>	Up to 55,000 pages
<b>Printer smart software features</b>	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, easy-access USB.
<b>Energy savings feature technology</b>	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy

**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<sup>[5]</sup>

**Supplies feature**

HP JetIntelligence Cartridge

**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

**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).

**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

**Mobile printing capability**

HP ePrint; Apple AirPrint™; NFC Touch-to-print (optional); PrinterOn Print; Mopria™ certified

**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

**Software included**

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

<b>Compatible Operating Systems</b>	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
<b>Technical features</b>	Compact size; JetIntelligence Toners; HP Auto-On/Auto-Off; ENERGY STAR®; AirPrint; HP ePrint; Walk-up USB (doc, ppt, pdf, jpg)
<b>Sustainable impact specifications</b>	Mercury-free
<b>Energy star certified</b>	Yes
<b>Ecolabels</b>	CECP; Blue Angel; EPEAT® Silver India; EPEAT® Silver Australia; EPEAT® Silver Canada; EPEAT® Silver US; ENERGY STAR® certified
<b>Blue Angel compliant</b>	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
<b>Display area (imperial)</b>	2.13 x 1.6 in
<b>Display area (metric)</b>	54 x 40.5 mm
<b>Display</b>	2.658" diagonal Color TFT-LCD back-lit (960 (H) x 240 (V))
<b>Minimum dimensions (W x D x H)</b>	413.6 x 472 x 304.4 mm
<b>Minimum dimensions (W x D x H)</b>	16.3 x 18.6 x 12 in
<b>Weight</b>	~18.9 kg <i>(With Print Cartridges )</i>
<b>Weight</b>	~41.7 lb <i>(With Print Cartridges)</i>
<b>Power 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) <i>(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.)</i>
<b>Power supply type</b>	Internal (built-in) Power Supply
<b>What's in the box</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 <sup>[2]</sup>
<b>Manufacturer Warranty</b>	One-year, On-site Repair 24-hour / 7 day a week phone support

## Additional specifications

<b>Accessories</b>	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
<b>Acoustic power emissions (active, printing)</b>	5.9 B(A) @ 27 ipm
<b>Acoustic power emissions (ready)</b>	4.5 B(A)
<b>Acoustic power note</b>	Configuration tested: base model, simplex printing A4 paper at an average of 27 ipm
<b>Acoustic pressure emissions bystander (active, printing)</b>	48 d(A) @ 27 ipm
<b>Acoustic pressure emissions bystander (ready)</b>	33 dB(A)
<b>Automatic paper sensor</b>	No
<b>Blue Angel footnote</b>	[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.
<b>Business filter</b>	cMPS
<b>Cable included</b>	No, please purchase USB cable separately; Yes, 1 USB (APJ Only)
<b>Capacity</b>	4 GB eMMC
<b>Cartons per layer</b>	6
<b>Certifications and compliances</b>	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.
<b>Color or black</b>	Color
<b>Compatible Network Operating Systems</b>	Windows 11; Windows Server; Linux; Citrix; UNIX; Novell
<b>Component type</b>	Printer
<b>Control panel</b>	2.7" Color Non-Touch Control Panel with 24 Keypad
<b>Count of layers in pallet</b>	4 (US); 3 (EMEA/AP)
<b>Country of origin</b>	Made in Vietnam; Made in Japan (#201)

## 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](http://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"

## Dynamic security

Dynamic security enabled printer

## 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.

## Engine life

50,000

## 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.

<b>Fonts and typefaces</b>	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>Input capacity</b>	Up to 300 sheets
<b>Internal Storage</b>	Not applicable to this product
<b>Mac compatible</b>	Yes
<b>Maximum Memory</b>	1.25 GB
<b>Maximum dimensions (W x D x H)</b>	413.6 x 1038 x 330 mm (printer fully opened)
<b>Maximum dimensions (W x D x H)</b>	16.3 x 40.9 x 13 in (printer fully opened)
<b>Maximum input capacity (sheets)</b>	Up to 850 sheets (with optional 550-sheet tray)
<b>Maximum output capacity (sheets)</b>	Up to 150 sheets
<b>Maximum print area</b>	212 x 352 mm
<b>Media size, tray 1</b>	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
<b>Media size, tray 2</b>	A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm
<b>Media size, tray 3</b>	A4; RA4; A5; B5 (JIS); B6 (JIS); 10 x 15 cm; A6; 16K; 98 x 148 to 216 x 356 mm
<b>Media sizes supported</b>	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
<b>Media sizes supported</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>Media sizes supported, key</b>	Letter; Legal; Envelopes; 4 x 6 in
<b>Media sizes supported, key</b>	A4; Envelopes; 10 x 15 cm
<b>Media sizes, custom</b>	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
<b>Media sizes, custom</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>Media type and capacity, tray 1</b>	Sheets: 50; envelopes: 5
<b>Media type and capacity, tray 2</b>	Sheets: 250; envelopes: 10
<b>Media type and capacity, tray 3</b>	Sheets: 550

<b>Media types</b>	Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes
<b>Media weight (tray 1)</b>	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)
<b>Media weight (tray 2)</b>	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)
<b>Media weight (tray 3)</b>	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)
<b>Media weight, supported</b>	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>
<b>Media weight, supported</b>	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
<b>Memory</b>	1.25 GB
<b>Memory Slots</b>	No DIMM slot
<b>Memory upgrade</b>	Not applicable to this product
<b>Minimum System Requirements</b>	2 GB available hard disk space Internet connection or USB port Internet browser. For additional OS hardware requirements see microsoft.com
<b>Minimum System Requirements for Macintosh</b>	2 GB available hard drive space Internet connection or USB port Internet browser. For additional OS hardware requirements see apple.com
<b>Model number</b>	M455dn
<b>Number of print cartridges</b>	4 (1 each black, cyan, magenta, yellow)
<b>Number of users</b>	3-10 Users
<b>Operating humidity range</b>	30 to 70% RH
<b>Operating temperature range</b>	59 to 90.5°F
<b>Operating temperature range</b>	15 to 32.5°C
<b>Output capacity</b>	Up to 150 sheets
<b>Package dimensions (W x D x H)</b>	19.57 x 14.92 x 22.95 in
<b>Package dimensions (W x D x H)</b>	497 x 379 x 583 mm
<b>Package weight</b>	21.6 kg
<b>Package weight</b>	47.61 lb
<b>Page yield (set-up/inbox cartridges)</b>	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.
<b>Page yield footnote</b>	[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: <a href="http://www.hp.com/go/learnaboutsuppies">http://www.hp.com/go/learnaboutsuppies</a>
<b>Pallet dimensions</b>	47.24 x 39.37 x 97.76 in



<b>Pallet dimensions (W x D x H)</b>	1200 x 1000 x 2483 mm
<b>Pallet weight</b>	1187.84 lb
<b>Pallet weight</b>	538.8 kg
<b>Paper handling input, optional</b>	Optional 550-sheet tray
<b>Paper handling input, standard</b>	50-sheet multipurpose tray, 250-sheet input tray
<b>Paper handling output, standard</b>	150-sheet output bin
<b>Paper trays, maximum</b>	3
<b>Paper trays, standard</b>	2
<b>Power</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>Print Technology</b>	Laser
<b>Print colors</b>	Yes
<b>Print languages</b>	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
<b>Print quality black (normal)</b>	Up to 600 x 600 dpi
<b>Print resolution color (normal)</b>	Up to 600 x 600 dpi
<b>Print speed black (Landscape, A5)</b>	Up to 49 ppm
<b>Print speed black (Portrait, A5)</b>	Up to 7 ppm
<b>Print speed color (Landscape, A5)</b>	Up to 49 ppm
<b>Print speed color (Portrait, A5)</b>	Up to 7 ppm
<b>Print speed duplex (A4)</b>	Up to 24 ipm
<b>Print speed duplex (A4)</b>	Up to 24 ipm
<b>Print speed duplex (letter)</b>	Up to 25 ipm
<b>Print speed duplex (letter)</b>	Up to 25 ipm
<b>Print speed footnote (A5)</b>	[8] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see <a href="http://www.hp.com/go/printerclaims">http://www.hp.com/go/printerclaims</a> . Exact speed varies depending on the system configuration, software application, driver, and document complexity.
<b>Print speed footnote number (A5)</b>	[8]
<b>Print technology</b>	Laser
<b>Printer Management</b>	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>Printer black pages (MPV black)</b>	175
<b>Printer color pages (MPV color)</b>	325
<b>Processor speed</b>	800 MHz

<b>Product long name specifications</b>	HP Color LaserJet Enterprise M455dn, Color Printer for Business, Print, JetIntelligence cartridge; Optional high-capacity trays; Two-sided scanning
<b>Product short name specifications</b>	HP LaserJet Enterprise M455dn Color Printer, Duplex
<b>Quantity per pallet</b>	24 (US); 18 (EMEA/AP)
<b>RMN number</b>	BOISB-1901-00
<b>Recommended media weight (duplex)</b>	16 to 43 lb bond
<b>Recommended media weight (duplex)</b>	60 to 163 g/m <sup>2</sup>
<b>Recommended monthly page volume</b>	900 to 4,800 Pages
<b>Recommended monthly page volume note</b>	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.
<b>Recommended operating humidity range</b>	10 to 90% RH
<b>Recommended operating temperature range</b>	59 to 80.6°F
<b>Recommended operating temperature range</b>	15 to 27°C
<b>Replacement cartridges footnote</b>	[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 <a href="http://www.hp.com/go/toneryield">http://www.hp.com/go/toneryield</a> .
<b>Safety</b>	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.
<b>Security management</b>	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
<b>Segment (filter)</b>	Business

<b>Standard input capacity (envelopes)</b>	Up to 15
<b>Standard media sizes (duplex)</b>	A4; A5; 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); B5 (JIS); RA4; Oficio (216 x 340 mm)
<b>Standard media sizes (duplex, imperial)</b>	Letter; Legal; Executive; Oficio (8.5 x 13 in)
<b>Standard output capacity (envelopes)</b>	Up to 20 envelopes
<b>Storage</b>	4 GB eMMC
<b>Storage device and direct print support</b>	Front-facing USB/Flash drive; USB printing
<b>Storage temperature range</b>	-20 to 40°C
<b>Storage temperature range</b>	-4 to 104°F
<b>Target user and print volume</b>	For teams up to 10 users; Prints up to 4,000 pages/month
<b>Tariff numbers</b>	8443321000; 8443321010; 84433231
<b>Top key features</b>	Compact Size; Strong Security; Energy Efficient; Two-sided printing
<b>Typical electricity consumption (TEC) footnote</b>	[3] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
<b>Typical electricity consumption (TEC) number</b>	0.437 kWh/Week (Energy Star 3.0) <sup>[3]</sup>
<b>UNSPSC code</b>	43212105
<b>UPC number</b>	(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
<b>Warm-up time</b>	180 sec
<b>Warranty</b>	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.
<b>Waste electrical and electronic weight</b>	17.274 Kg
<b>Web address for additional information</b>	Solutions: <a href="http://www.hp.com/go/gsc">http://www.hp.com/go/gsc</a> ; Fonts and IPDS Emulation: <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a> ; HP Web Jetadmin: <a href="http://www.hp.com/go/wja">http://www.hp.com/go/wja</a> ; HP Universal Print Driver: <a href="http://www.hp.com/go/upd">http://www.hp.com/go/upd</a> ; HP Imaging & Printing Security Center: <a href="http://www.hp.com/go/ipsc">http://www.hp.com/go/ipsc</a> ; On Demand Cloud Solutions: <a href="http://www.hpjetadvantage.com/ondemand">http://www.hpjetadvantage.com/ondemand</a>
<b>What is in the box footnote</b>	[2] For yield information on the cartridge(s) included with your printer, see <a href="http://www.hp.com/go/toneryield">http://www.hp.com/go/toneryield</a> . Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors.

*[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).*

*[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>.*

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# Solutions

## Imaging and Printing Solutions

★ : Recommended

### Printing SW Solution Licenses

HP HID Mobile Access Mifare DES Fire Keystroking Reader	35H11A ★
HP HIP2 Card Reader Accessory Kit	8ZN00A ★

## Accessories

### Security and Protection

★ : Recommended

#### Smart Cards and SmartCard Readers

HP HIP2 Keystroke Reader	Y7C05A ★
HP Legic Secure USB Reader	4QL32A ★
HP SmartCard NIPRNet Solution for US Government	CC543B ★
HP USB Universal Card Reader	X3D03A ★

### Network Print Servers

#### External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A ★
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#### Internal Print Servers

HP Jetdirect LAN Accessory	8FP31A ★
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### Paper Handling

#### Input Trays

HP LaserJet 550-sheet Feeder Tray	CF404A ★
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## Services

### HP Care Pack Services

★ : Recommended

#### Imaging and Printing Hardware Support Onsite Svc

HP 1 year Post Warranty 4 hour 9x5 w/DMR Service for Color LaserJet Enterprise M455	U11WKPE
HP 1 year Post Warranty Next Business Day w/DMR Service for Color LaserJet Enterprise M455	U11WHPE
HP 3 year 4 hour 9x5 w/DMR Service for Color LaserJet Enterprise M455	U11W3E
HP 3 year Next Business Day w/DMR Service for Color LaserJet Enterprise M455	U11W0E
HP 4 year 4 hour 9x5 w/DMR Service for Color LaserJet Enterprise M455	U11W4E
HP 4 year Next Business Day w/DMR Service for Color LaserJet Enterprise M455	U11W1E
HP 5 year 4 hour 9x5 w/DMR Service for Color LaserJet Enterprise M455	U11W5E
HP 5 year Next Business Day w/DMR Service for Color LaserJet Enterprise M455	U11W2E

#### Imaging and Printing Commercial Care Pack Services

HP 1 yr Post Wty Parts Exchange Service for Color LaserJet Enterprise M455	U11WQPE
HP 3 year Parts Exchange Service for Color LaserJet Enterprise M455	U11WDE
HP 4 year Parts Exchange Service for Color LaserJet Enterprise M455	U11WFE
HP 5 year Parts Exchange Service for Color LaserJet Enterprise M455	U11WGE
HP Installation Service with network configuration for Workgroup Printer(1 unit)	U9JT2E

## Ink/Toner/Paper/Printer Supplies

### HP Laser Toner Cartridges and Kits

★ : Recommended

#### HP Color Laser Toner Printer Cartridges

HP 414A Black Original LaserJet Toner Cartridge	W2020A
HP 414A Cyan Original LaserJet Toner Cartridge	W2021A
HP 414A Magenta Original LaserJet Toner Cartridge	W2023A
HP 414A Yellow Original LaserJet Toner Cartridge	W2022A
HP 414X High Yield Black Original LaserJet Toner Cartridge	W2020X
HP 414X High Yield Cyan Original LaserJet Toner Cartridge	W2021X
HP 414X High Yield Magenta Original LaserJet Toner Cartridge	W2023X
HP 414X High Yield Yellow Original LaserJet Toner Cartridge	W2022X
HP 415A Black Original LaserJet Toner Cartridge	W2030A
HP 415A Cyan Original LaserJet Toner Cartridge	W2031A
HP 415A Magenta Original LaserJet Toner Cartridge	W2033A
HP 415A Yellow Original LaserJet Toner Cartridge	W2032A
HP 415X High Yield Black Original LaserJet Toner Cartridge	W2030X
HP 415X High Yield Cyan Original LaserJet Toner Cartridge	W2031X
HP 415X High Yield Magenta Original LaserJet Toner Cartridge	W2033X
HP 415X High Yield Yellow Original LaserJet Toner Cartridge	W2032X
HP 416A Black Original LaserJet Toner Cartridge	W2040A
HP 416A Cyan Original LaserJet Toner Cartridge	W2041A
HP 416A Magenta Original LaserJet Toner Cartridge	W2043A
HP 416A Yellow Original LaserJet Toner Cartridge	W2042A
HP 416X High Yield Black Original LaserJet Toner Cartridge	W2040X
HP 416X High Yield Cyan Original LaserJet Toner Cartridge	W2041X
HP 416X High Yield Magenta Original LaserJet Toner Cartridge	W2043X
HP 416X High Yield Yellow Original LaserJet Toner Cartridge	W2042X

### HP Business Papers

#### HP Business Papers for laser

HP Enhanced Business Paper, Glossy, 150 g/m <sup>2</sup> , A4 (210 x 297 mm), 150 sheets	CG965A
HP Everyday Business Paper, Glossy, 32 lb, 8.5 x 11 in. (216 x 279 mm), 150 sheets	4WN08A



HP Professional Business Paper Glossy 200 g/m2 A4 (210 x 297 mm) 150 sheets	7MV83A
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HP Professional Business Paper Glossy 52 lb 8.5 x 11 in. (216 x 279 mm) 150 sheets	4WN10A
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HP Professional Business Paper Matte 200 g/m2 A4 (210 x 297 mm) 150 sheets	7MV80A
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HP Professional Business Paper Matte 52 lb 8.5 x 11 in. (216 x 279 mm) 150 sheets	4WN05A
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## HP Home & Office Papers

### HP Home & Office Papers for laser and inkjet

HP MultiPurpose20TM, 20 lb, 11 x 17 in. (279 x 432 mm), 250 sheets	HPM1720P
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HP MultiPurpose20TM, 20 lb, 8.5 x 11 in. (216 x 279 mm), 500 sheets	HPM1120R
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HP MultiPurpose20TM, 20 lb, 8.5 x 14 in. (216 x 356 mm), 500 sheets	HPM1420P
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## HP Paper for Multiple Uses

### HP Recycled Paper

HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	4WN07A
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HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	4WN11A
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HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	7MV81A
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HP Multipurpose Recycled Paper-500 sht/Letter/8.5 x 11 in	7MV82A
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## HP Paper Designed for Inkjet Printers

### HP Inkjet Photo Paper

HP Professional Business Paper, Glossy, 48 lb, 8.5 x 11 in. (216 x 279 mm), 50 sheets	6MF93A
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