



HP Color LaserJet Enterprise M455dn

Brand : HP

Product family: Color LaserJet Enterprise

Product code: 3PZ95A#B19

Product name : Color LaserJet Enterprise M455dn

- Compact Size; Strong Security; Energy Efficient; Two-sided printing
 - Print
 - Up to 27 ppm (black) and 27 ppm (colour)
 - Up to 600 x 600 dpi
- Color LaserJet Enterprise M455dn

HP Color LaserJet Enterprise M455dn:

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

Dynamic security enabled printer Certain HP printers are intended to work only with cartridges that have a new or reused HP chip or electronic circuitry. These printers use dynamic security measures to block cartridges using a non-HP chip or electronic circuitry. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. Reused HP chips and electronic circuitry enable the use of reused, remanufactured, and refilled cartridges.



Printing

Duplex printing mode	Auto
Print resolution colour	600 x 600 DPI
Print resolution black	600 x 600 DPI
Print speed (colour, normal quality, A4/US Letter)	27 ppm
Colour *	✓
Print technology *	Laser
Duplex printing *	✓
Maximum resolution *	600 x 600 DPI
Print speed (black, normal quality, A4/US Letter) *	27 ppm
Warm-up time	180 s
Time to first page (black, normal)	9.5 s
Time to first page (colour, normal)	11 s
Watermark printing	✓
Secure printing	✓

Features

Maximum duty cycle *	55000 pages per month
Recommended duty cycle	900 - 4800 pages per month
Printing colours *	Black, Cyan, Magenta, Yellow
Number of print cartridges *	4
Page description languages *	PDF 1.7, PCL 5, PCL 6
Printer fonts	Scalable, TrueType, Windows, PCL, PostScript
Country of origin	Vietnam

Power

Power consumption (off)	0.08 W
Energy Star Typical Electricity Consumption (TEC)	0.437 kWh/week
AC input voltage	220 - 240 V
AC input frequency	50/60 Hz

System requirements

Windows operating systems supported	Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11
Mac operating systems supported	Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.15.3 Catalina, MacOS
Other operating systems supported	Android, iOS

Operational conditions

Operating temperature (T-T)	15 - 32.5 °C
Storage temperature (T-T)	-20 - 40 °C
Operating relative humidity (H-H)	30 - 70%

Sustainability

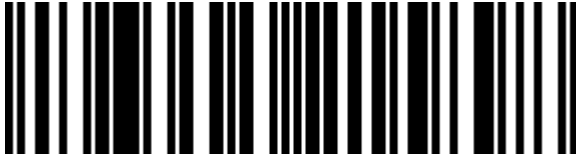
Sustainability compliance	✓
Sustainability certificates	ENERGY STAR, Blue Angel, EPEAT Silver
Sustainable technologies and materials	Mercury-free
Doesn't contain	Mercury

Carbon footprint

Total carbon footprint (kg of CO ₂ e)	270
Carbon emissions, manufacturing (kg of CO ₂ e)	212
Carbon emissions, logistics (kg of CO ₂ e)	8
Carbon emissions, end-of-life (kg of CO ₂ e)	30
Total carbon emissions, w/o use phase (kg of CO ₂ e)	15

Features		Weight & dimensions		
Replacement cartridges	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	Width	413.6 mm	
		Depth	472 mm	
		Height	304.4 mm	
		Pallet dimensions (W x D x H)	1200 x 1000 x 2483 mm	
		Weight	18.9 kg	
HP segment	Business	Packaging data		
		Package width	497 mm	
		Package depth	379 mm	
		Package height	583 mm	
		Package weight	21.6 kg	
Input & output capacity		Packaging content		
Total number of input trays *	2	Cartridge(s) included	✓	
Total input capacity *	300 sheets	Included cartridge capacity (black)	2400 pages	
Total output capacity *	150 sheets	Included cartridge capacity (CMY)	2100 pages	
Paper tray 1 input capacity	50 sheets	Cables included	AC	
Paper tray 2 input capacity	250 sheets	Brand-specific features		
Multi-Purpose tray	✓	HP Auto-On/Auto-Off	✓	
Multi-Purpose tray input capacity	50 sheets	HP Dynamic security	✓	
Maximum number of input trays	3		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)	
Maximum input capacity	850 sheets	HP Security tools		
Maximum output capacity	150 sheets			
Paper handling				
Maximum ISO A-series paper size *	A4			
Paper tray media types *	Plain paper, Glossy paper, Bond paper, Photo paper, Recycled paper, Envelopes, Labels, Rough paper, Postcard			
ISO A-series sizes (A0...A9) *	A4, A5, A6			
ISO B-series sizes (B0...B9)	B5			
ISO C-series sizes (C0...C9)	C5, C6			
Non-ISO print media sizes	16K			
JIS B-series sizes (B0...B9)	B5, B6			
Envelopes sizes	B5, C5, C6, DL			
Photo paper sizes	10x15 cm			
Custom media width	76 - 216 mm			
Custom media length	127 - 356 mm			
Paper tray media weight	60 - 200 g/m²			
Ports & interfaces				
USB port *	✓			
USB 2.0 ports quantity	3			
Network				
Network ready	✓			
Wi-Fi *	✓			
Ethernet LAN *	✗			
Cabling technology	10/100/1000Base-T(X)			
Ethernet LAN data rates	10,100,1000 Mbit/s			
Wi-Fi Direct	✓			
Bluetooth	✓			
Security algorithms	SNMPv3, SSL/TLS, EAP-PEAP, EAP-TLS, HTTPS			
Mobile printing technologies	Mopria Print Service, HP ePrint, Apple AirPrint			
		Logistics data		
		Harmonized System (HS) code	84433210	
		Pallet gross weight	538.8 kg	
		Layers per pallet	3 pc(s)	
		Products per pallet	18 pc(s)	
Technical details				
Master (outer) cases per pallet layer: 6 pc(s)				
Compliance certificates: CECP, GS mark, CCC, BIS, CUL, UL, CE, BSMI				
General Product Safety Regulation (GPSR) URL: https://support.hp.com/gb-en/product/setup-user-guides/hp-color-laserjet-enterprise-m455-series/model/2732194?sku=3P295A&serialnumber=3P295A				
: https://kaas.hpcloud.hp.com/pdf-public/pdf_2967985_en-US-1.pdf				

Performance		Other features	
Internal memory *	1280 MB	Recommended system requirements	2 GB available hard disk space Internet connection or USB port Internet browser. 2 GB available hard disk space Internet connection or USB port Internet browser.
Maximum internal memory	1280 MB		
Built-in processor	✓		
Processor frequency	800 MHz	Recommended humidity operating range	10 - 90%
Sound pressure level (printing)	48 dB		
Sound power level (printing)	5.9 dB	Recommended operating temperature range (T-T)	15 - 27 °C
Design			
Market positioning *	Business	Custom media sizes	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
Product colour *	White		
Built-in display *	✓	Envelope feeder	No
Display	LCD		
Colour display	✓	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; Other EMC approvals as required by individual countries.
Display diagonal	6.86 cm (2.7")		
Control type	Touch	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
Certification	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; Other EMC approvals as required by individual countries.		
Power		Pallet dimensions (W x D x H) (imperial)	1199.9 x 1000 x 2483.1 mm (47.2 x 39.4 x 97.8")
Power consumption (printing) *	574 W		
Power consumption (ready)	16.7 W	Pallet weight (imperial)	538.8 kg (1187.8 lbs)
Power consumption (PowerSave)	0.08 W	Acoustic power emissions (ready)	45 dB
		Acoustic pressure emissions bystander (ready)	33 dB
		Typical electricity consumption (TEC) number	0.437 kWh/Week (Energy Star 3.0)
		UNSPSC-code	43212105
		Box contents	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
		Printing	Colour printing
		Manufacturer warranty	One-year, On-site Repair 24-hour / 7 day a week phone support



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