

HP Color LaserJet Enterprise M455dn (3PZ95AR)



Overview

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

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

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.

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[1]

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.[7]

[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.

[7] Dependent upon country setup specifications.

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

Specifications

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

Replacement cartridges	<p>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]</p>
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

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

Additional 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)
Automatic paper sensor	No
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.
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.
Color or black	Color
Compatible Network Operating Systems	Windows 11; Windows Server; Linux; Citrix; UNIX; Novell
Control panel	2.7" Color Non-Touch Control Panel with 24 Keypad
Count of layers in pallet	4 (US); 3 (EMEA/AP)
Country of origin	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

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.

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.
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
Input capacity	Up to 300 sheets
Internal Storage	Not applicable to this product
Mac compatible	Yes
Maximum Memory	1.25 GB
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 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	Letter; Legal; Envelopes; 4 x 6 in
Media sizes supported, key	A4; Envelopes; 10 x 15 cm
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 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 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/m ² (up to 200 g/m ² with postcards and HP Color laser glossy photo papers)
Media weight (tray 2)	60 to 163 g/m ² (up to 176 g/m ² with postcards, up to 200 g/m ² HP Color laser glossy photo papers)
Media weight (tray 3)	Optional Tray 3: 60 to 163 g/m ² (up to 176 g/m ² with postcards, up to 150 g/m ² 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/m ² (up to 200 g/m ² with postcards and HP Color laser glossy photo papers); Tray 2: 60 to 163 g/m ² (up to 176 g/m ² with postcards, up to 200 g/m ² HP Color laser glossy photo papers); optional Tray 3: 60 to 163 g/m ² (up to 176 g/m ² with postcards, up to 150 g/m ² Glossy media); Automatic duplexer: 60 to 163 g/m ²
Memory	1.25 GB
Memory Slots	No DIMM slot
Memory upgrade	Not applicable to this product
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
Model number	M455dn
Number of users	3-10 Users
Operating humidity range	30 to 70% 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	47.61 lb
Package weight	21.6 kg
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
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
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)
Print Cartridges/Bottle, Number	4 (1 each black, cyan, magenta, yellow)
Print Technology	Laser
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 (normal)	Up to 600 x 600 dpi
Print resolution color (normal)	Up to 600 x 600 dpi
Print speed black (Landscape, A5)	Up to 49 ppm
Print speed black (Portrait, A5)	Up to 7 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 (A4)	Up to 24 ipm
Print speed duplex (letter)	Up to 25 ipm
Print speed duplex (letter)	Up to 25 ipm
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 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)
Processor speed	800 MHz

Product long name specifications	HP Color LaserJet Enterprise M455dn, Color Printer for Business, Print, JetIntelligence cartridge; Optional high-capacity trays; Two-sided scanning
Product short name specifications	HP LaserJet Enterprise M455dn Color Printer, Ethernet Only; Duplex
Quantity per pallet	24 (US); 18 (EMEA/AP)
RMN number	BOISB-1901-00
Recommended media weight (duplex)	60 to 163 g/m ²
Recommended media weight (duplex)	16 to 43 lb bond
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	10 to 90% RH
Recommended operating temperature range	59 to 80.6°F
Recommended operating temperature range	15 to 27°C
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 .
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

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 device and direct print support	Front-facing USB/Flash drive; USB printing
Storage temperature range	-4 to 104°F
Storage temperature range	-20 to 40°C
Target user and print volume	For teams up to 10 users; Prints up to 4,000 pages/month
Tariff numbers	8443321000; 8443321010; 84433231
Top key features	Compact Size; Strong Security; Energy Efficient; Two-sided printing
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) number	1.105 kWh/Week (Blue Angel); 0.437 kWh/Week (Energy Star 3.0) ^[3]
UNSPSC code	43212105
UPC number	195697945809
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.
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
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.

[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>.

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 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
HP MultiPurpose20TM, 20 lb, 8.5 x 11 in. (216 x 279 mm), 500 sheets	HPM1120R
HP MultiPurpose20TM, 20 lb, 8.5 x 14 in. (216 x 356 mm), 500 sheets	HPM1420P

Imaging and Printing Solutions

★ : Recommended

Printing SW Solution Licenses

HP HIP2 Card Reader Accessory Kit	8ZN00A
-----------------------------------	--------

Accessories

Network Print Servers

★ : Recommended

External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A
---	--------

Internal Print Servers

HP Jetdirect LAN Accessory	8FP31A
----------------------------	--------

Security and Protection

Smart Cards and SmartCard Readers

HP SmartCard NIPRNet Solution for US Government	CC543B
---	--------

Disclaimer — Copyright

© Copyright 2024 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.