HP Color LaserJet Enterprise Flow MFP X677z Printer series

HP's mid-level Enterprise-class color MFP with print speeds up to 65 ppm[*], strongest security[*], input/output options for increased productivity.

Transform your workflows with advanced capabilities in a compact footprint. Customizable configurations from print speeds to color panels help to meet the needs of busy workgroups. All while protecting your business against evolving security threats.

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

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Customizable and scalable solutions.

- Expand device functionality and performance with upgradeable options through any point while in contract.
- Get the functionality you need with input options to help optimize your device to meet your business needs and your budget.
- Choose storage options to handle data and documents stored on the device.

Fast and seamless digitization

- Customize your print experience with cloud-connected HP Workpath apps. Access personalized content and integrate paper and digital workflows.[1]
- Give your team the tools to succeed with the HP Open Extensibility Platform containing hundreds of HP and third-party solutions, and card reader support.
- Make color management simple with HP Custom Color Manager. Match color output of any document-device combination by simply pulling color profiles from the cloud. Get high-quality color profiles without the hassle of expensive color matching systems .[9]
- Targeted fusing technology[2] requires less energy and helps to reduce cooling requirements allowing for larger, faster color print jobs.

Everything you expect from an office printer

- Experience ultra-fast scanning speeds and ultimate productivity with HP Flow technology and up to 200 ipm[3] duplex scan technology
- Busy work groups can get everything done with fast print speeds of up to 65 PPM[4] setting the pace to handle any workload with reliable quality.
- HP's innovative in-line scan bar in an A4 printer helps to diagnose print quality issues with accurate remediation steps.
- Avoid interruptions and lost productivity with reverse and retry technology[5] that automatically detects and resolves multi-sheet feed issues.

Always on guard with HP Wolf Security

- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- HP Connection Inspector examines network connections. The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Memory ShieldTM and expanded run-time intrusion detection protects memory and other applications. Common Criteria certified[7] to continually monitor memory activity, detect and stop zero-day attacks in real time [known/unknown] and self-heal.
- Minimize exposure with whitelisting checks, firmware that is automatically checked during start-up to determine if it's authentic code – digitally signed by HP.

Product walkaround

1. 1000-sheet multi-bin staple finisher
2. Staple cartridge access door
3. Automatic 2-sided printing
4. Front door access to process cartridges
5. HP High Performance Secure Hard Disk
6. Front door access to toner cartridges
7. 550-sheet tray 2 supports media sizes up to Legal (8.5x14 inch)
8. 100-sheet dual side Flow enabled ADF supports media sizes up to Legal (8.5x14 inch)
9. 10.1 inch color touchscreen display (25.6 cm) - Optional QWERTY physical keyboard attaches only to 10.1 inch color touchscreen display
10. Long originals media sensor
11. Easy-access USB port[2]
12. Hardware Integration Pocket[1] (for connecting accessories and third-party devices)
13. Power button
14. Right door access to the print path
15. 100-sheet multipurpose tray 1 supports media sizes up to Legal (8.5x14 inch)
16. Tray 2 jam access door
17. Slot for cable-type security lock[5]
18. SuperSpeed USB 3.0 Host Port[5]
19. Hi-Speed USB 2.0 Host Port[5]
20. Gigabit Ethernet Port[5]
21. SuperSpeed 3.0 device port[5]
22. (Optional OCR Accelerator Card)[5]
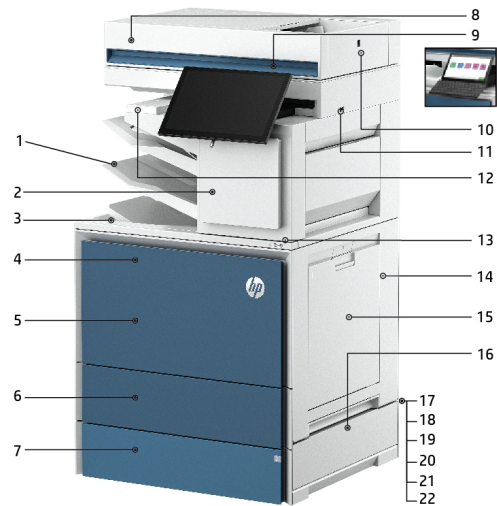
Series at a glance

Model	HP Color LaserJet Enterprise Flow MFP X677z Printer
Product Number	76H09A
Functions	Print, copy, and scan (fax and wireless optional) (all models)
Print speed (A4 and letter, black and color)[3]	52/55 ppm (A4/letter), 61/65 ppm (A4/Letter) with optional speed license
Control panel	10.1 inch color touchscreen display
Scan speed[4]	100/200 ipm (simplex/duplex)
Recommended Monthly Page Volume	Up to 30,000 pages per month
Input capacity	650/2,750 (std/max)
Output capacity (standard)	1,000-sheets
Processor	Quad-core 1.6 GHz
Flow solutions	Yes
Workpath enabled	Yes
Extensibility	HP FutureSmart 5, OXPd

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: hp.com/go/cpc

Accessories

1M0Q0A	HP MFP Analog Fax 702 Accessory
1M0Q2A	HP LaserJet Workflow Keyboard
1M0Q5A	HP LaserJet Workflow Accelerator Card
2NR12A	HP Removable Hard Drive Enclosure
2TD64A	HP Accessibility Kit
35H11A	HP HID Mobile Access Mifare DES Fire Keystroking Reader
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
478C2A	HP Printing Voice Assistant
49K94AAE	HP Color LaserJet Enterprise MFP X677 55 to 65ppm License
4QL32A	HP Legic Secure USB Reader
4XN67A	Internal USB Expansion Kit
616G9A	HP LaserJet A5 HCI Guide Kit
616H0A	HP LaserJet Statement HCI Guide Kit
630C2A	HP CLJ X677 Constellation Yellow Color Panel Kit
630C3A	HP CLJ X677 Cosmic Green Color Panel Kit
630C4A	HP CLJ X677 Aurora Purple Color Panel Kit
630C5A	HP CLJ X677 Comet Red Color Panel Kit
630C6A	HP CLJ X677 Lunar Gray Color Panel Kit
630C7A	HP 550 Sheet Paper Tray Constellaiton Yellow Panel Kit
630C8A	HP 550 Sheet Paper Tray Cosmic Green Panel Kit
630C9A	HP 550 Sheet Paper Tray Aurora Purple Panel Kit
630D0A	HP 550 Sheet Paper Tray Comet Red Panel Kit
630D1A	HP 550 Sheet Paper Tray Lunar Gray Panel Kit
630D2A	HP HC Tray Constellation Yellow Panel Kit
630D3A	HP HC Tray Cosmic Green Panel Kit
630D4A	HP HC Tray Aurora Purple Panel Kit
630D5A	HP HC Tray Comet Red Panel Kit
630D6A	HP HC Tray Lunar Gray Panel Kit
630D7A	HP Storage Stand Constellation Yellow Panel Kit
630D8A	HP Storage Stand Cosmic Green Panel Kit
630D9A	HP Storage Stand Aurora Purple Panel Kit
630F0A	HP Storage Stand Comet Red Panel Kit
630F1A	HP Storage Stand Lunar Gray Panel Kit
65A28A	HP Color LaserJet Constellation Yellow 550 sheet Paper Tray
65A29A	HP Color LaserJet Cosmic Green 550 sheet Paper Tray
65A30A	HP Color LaserJet Aurora Purple 550 sheet Paper Tray
65A31A	HP Color LaserJet Comet Red 550 sheet Paper Tray
65A32A	HP Color LaserJet Lunar Gray 550 sheet Paper Tray
65A33A	HP Color LaserJet Constellation Yellow 2100 sheet High Capacity Paper Tray/Stand
65A34A	HP Color LaserJet Cosmic Green 2100 sheet High Capacity Paper Tray/Stand
65A35A	HP Color LaserJet Aurora Purple 2100 sheet High Capacity Paper Tray/Stand
65A36A	HP Color LaserJet Comet Red 2100 sheet High Capacity Paper Tray/Stand
65A37A	HP Color LaserJet Lunar Gray 2100 sheet High Capacity Paper Tray/Stand
65A38A	HP Color LaserJet Constellation Yellow Storage Stand
65A39A	HP Color LaserJet Cosmic Green Storage Stand
65A40A	HP Color LaserJet Aurora Purple Storage Stand
65A41A	HP Color LaserJet Comet Red Storage Stand
65A42A	HP Color LaserJet Lunar Gray Storage Stand
6QN54A	HP Color LaserJet Stand
6QN55A	HP Color LaserJet Storage Stand
6QN57A	HP Color LaserJet 550-sheet Media Tray
6QN58A	HP Color LaserJet 2100 HCI Feeder and Stand
8FP31A	HP Jetdirect LAN Accessory
9EQ11A	HP 500GB CCC, FIPS Hard Disk Drive
B5L31A	HP Foreign Interface Harness
X3D03A	HP USB Universal Card Reader
Y7C05A	HP HIP2 Keystroke Reader

Solutions

Overview: When it comes to business, the more cost-effective and efficient, the better. HP Document and Workflow Solutions can help improve productivity and drive down costs, enabling employees—and your IT team—to work more efficiently.

Workflow: HP Capture & Route; HP Workpath Apps; HP Intelligent Workflows Capture

Security: HP Access Control; HP card readers; HP Security Manager; HP Advance; HP Secure Print and Insights

Mobile and universal print: HP Universal Print Driver (UPD); HP Print for Chrome Extension; HP For Universal Print Workpath App

Management: HP Web JetAdmin; HP Security Manager; HP Insights; HP Smart Device Services (SDS); Embedded Web Server; HP Command Center; HP Advance

Services

U45TKE HP 3 year Next Business Day with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TLE HP 4 year Next Business Day with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TME HP 5 year Next Business Day with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TNE HP 3 year 4 hour 9x5 with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TQE HP 4 year 4 hour 9x5 with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TRE HP 5 year 4 hour 9x5 with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TXE HP 3 year Channel Parts Exchange with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TYE HP 4 year Channel Parts Exchange with DMR Service for Color LaserJet Enterprise MFP X677xx

U45TZE HP 5 year Channel Parts Exchange with DMR Service for Color LaserJet Enterprise MFP X677xx

U45U0PE HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Enterprise MFP X677xx

U45U2PE HP 1 year Post Warranty 4 hour 9x5 with DMR Service for Color LaserJet Enterprise MFP X677xx

U45U6PE HP 1 year PW Channel Parts Exchange with DMR Service for Color LaserJet Enterprise MFP X677xx

U9JT2E HP Installation Service with network configuration for Workgroup Printer

U34Y1E HP Print Carbon Neutral Certification Service

HP Color LaserJet Enterprise Flow MFP X677z Printer series

Model	HP Color LaserJet Enterprise Flow MFP X677z Printer
Product number	76H09A
AIO functions	Print, copy, scan, fax (optional)
Print	
Print speed[6],[7],[5]	**First page out Letter:** As fast as 6.5 sec; As fast as 6.4 sec (with 49K94AAE) Black; As fast as 7.3 sec; As fast as 6.9 sec (with 49K94AAE) Color; **First page out A4:** As fast as 6.6 sec; As fast as 6.5 sec (with 49K94AAE) Black; As fast as 7.4 sec; As fast as 7.1 sec (with 49K94AAE) Color; **Letter:** Up to 55 ppm; Up to 65 ppm (with 49K94AAE) Black; Up to 55 ppm; Up to 65 ppm (with 49K94AAE) Color; **A4:** Up to 52 ppm; Up to 61 ppm (with 49K94AAE) Black; Up to 52 ppm; Up to 61 ppm (with 49K94AAE) Color; **Print speed (Landscape, A5):** Up to 84 ppm; Up to 99 ppm (with 49K94AAE) Black; Up to 84 ppm; Up to 99 ppm (with 49K94AAE) Color
Print resolution	**Black (best)** Up to 1,200 x 1,200 dpi; **Black (normal)** Up to 600 x 600 dpi; **Black (fine lines)** Up to 1200 x 1200 dpi **Color (best):** Up to 1200 x 1200 dpi; **Color (normal):** Up to 600 x 600 dpi; **Color (fine lines):** Up to 1200 x 1200 dpi
Print technology	Laser; **Print resolution technology:** HP ImageREt 4800, Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Print cartridges number	4 toner cartridges (1 each for black, cyan, magenta, yellow); 4 drum units (1 each for black, cyan, magenta, yellow)
Standard print languages	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Printer smart software features	Apple AirPrint™, Mopria-certified, HP ePrint, ROAM optional for easy printing, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 10.1 in (25.6 cm) touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview
Printer management / HP SureSupply	HP Web JetAdmin; Embedded Web Server; HP Security Manager; HP Insights; HP Advance; HP Command Center; HP Smart Device Services (SDS); HP Smart Device Services (SDS)/ %%Products.suresupplysupport%%
Scan	
Scan type / Technology	**Type:** Flatbed ; ADF; **Technology:** Charge Coupled Device (CCD) Flatbed; Contact Image Sensor (CIS) ADF; **Twain version:** Version 2.4
Scan resolution	**Hardware:** Up to 600 x 600 dpi; **Optical:** Up to 600 x 600 dpi
Scan file format	PDF; Hi-Compression PDF; PDFA; JPEG; TIFF; XPS
Scan input modes	Front Panel Applications: Copy; E-Mail; FAX; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXP) Applications, HP Workpath Applications
Scan Size	**ADF:** 8.5 x 34.0 in Maximum; 2.7 x 5 in Minimum; **Flatbed:** 8.5 x 14 in
Scan speed[10]	Up to 100 ppm/200 ipm (b&w), up to 100 ppm/200 ipm (color); Up to 100 ppm/200 ipm (b&w), up to 100 ppm/200 ipm (color) (with 49K94AAE) Letter; Up to 95 ppm/190 ipm (b&w), up to 95 ppm/190 ipm (color); Up to 95 ppm/190 ipm (b&w), up to 95 ppm/190 ipm (color) (with 49K94AAE) A4; **Duplex:** Up to 200 ipm (b&w), up to 200 ipm (color); Up to 200 ipm (b&w), up to 200 ipm (color) (with 49K94AAE) Letter; Up to 190 ipm (b&w), up to 190 ipm (color); Up to 190 ipm (b&w), up to 190 ipm (color) (with 49K94AAE) A4
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR); Auto crop to page; Auto-tone; Onscreen editing with highlighting, redaction and signature capabilities; [11] For Scan Software (included in the box) we support; Windows [JPG, RAW (BMP), PDF, TIFF, PNG, RTF] and MAC [JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT] PDF; JPG; TIFF; MTIFF; [11] For Scan Software (included in the box) we support; Windows [JPG, RAW (BMP), PDF, TIFF, PNG, RTF] and MAC [JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT] For Scan Software (included in the box) we support; Windows [JPG, RAW (BMP), PDF, TIFF, PNG, RTF] and MAC [JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT]
Bit depth / Grayscale levels	24-bit / 256
Digital sending standard features	Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten; embedded OCR; optimize text/picture (auto); scan to multi-destination; automatic tone; auto orientation; multi-feed detection; reverse and retry; document editing; auto paper color removal; job separation (blank page, barcode); watermark; stamps
Copy	
Copy speed	**Letter:** Up to 55 cpm; Up to 65 cpm (with 49K94AAE) Black; Up to 55 cpm; Up to 65 cpm (with 49K94AAE) Color; **A4:** Up to 52 cpm; Up to 61 cpm (with 49K94AAE) Black; Up to 52 cpm; Up to 61 cpm (with 49K94AAE) Color; **First copy out Letter:** As fast as 5.2 sec; As fast as 5.0 sec (with 49K94AAE) Black; As fast as 6.1 sec; As fast as 5.9 sec (with 49K94AAE) Color; **First copy out A4:** As fast as 5.3 sec; As fast as 5.1 sec (with 49K94AAE) Black; As fast as 6.2 sec; As fast as 6.0 sec (with 49K94AAE) Color; **2-sided Letter:** Up to 55 ipm; Up to 65 ipm (with 49K94AAE) Black; Up to 55 ipm; Up to 65 ipm (with 49K94AAE) Color; **2-sided A4:** Up to 52 ipm; Up to 61 ipm (with 49K94AAE) Black; Up to 52 ipm; Up to 61 ipm (with 49K94AAE) Color
Copy resolution	**Color (text and graphics):** Up to 600 x 600 dpi
Maximum Number of Copies	Up to 9999 copies
Copier resize	25 to 400%
Copier settings	Book Copy; Booklet; Build Job; Collation; Color; Content orientation; Copy preview; Darkness control; Default Original Size; Edge Erase; Edge-to-Edge; ID Copy; Image adjustment; Job build; N or Z-ordering; Number of Copies; N-up; Original Size; Original Type; Paper Size; Paper Source; Paper type; Photo; Save Current Settings; Staple; Text; Text/Photo; Tray Selection; Two-sided copy; Watermark; reduce/enlarge; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image shift; Image preview; Paper selection; Scan to job storage; Automatically straighten; Automatically detect color/monochrome; Auto tone; Multi-feed detection; Document editing; Auto paper color removal
Fax	
Fax speed[4]	**Up to:** Up to 33.6 kbps (with optional analog fax accessory) / **Letter:** 3 sec per page
Fax resolution	**Black (best):** Up to 300 x 300 dpi; **Black (standard):** 200 x 100 dpi
Fax smart software features	Stored faxes; Fax archiving; Fax forwarding; Scale to fit; Fax address book; LAN/Internet fax; Fax number confirmation; Holiday fax schedule
Fax Features	**Fax memory:** Up to 1000 pages; **Auto fax reduction supported:** Yes; **Auto-redialing:** Yes; **Fax delayed sending:** No; **Distinctive ring detection supported:** No; **Fax forwarding supported:** Yes (with optional analog fax accessory); **Fax phone TAM interface supported:** No; **Fax polling supported:** Yes (poll to receive only); **Fax telephone mode supported:** No; **Junk barrier supported:** Yes, up to 30 numbers may be blocked; **Maximum speed dialing numbers:** Up to 1000 numbers; **PC interface supported:** Yes; **Remote retrieval capability supported:** Yes; **Telephone handset supported:** No
Connectivity	
Standard connectivity	1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host)
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)
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™ Certified; Roam optional; NFC Touch-to-print (optional)
Memory	**Standard:** 6 GB; **Maximum:** 6 GB
Processor speed	1.6 GHz
Storage	500 GB hard disk drive **Hard disk:** Standard, minimum 500 GB HDD; Optional, 256 GB SSD
Duty cycle (monthly)	**Letter:** Up to 180,000 pages; **A4:** Up to 180,000 pages; **Recommended monthly page volume:** Up to 30,000 pages

HP Color LaserJet Enterprise Flow MFP X677z Printer series

Model	HP Color LaserJet Enterprise Flow MFP X677z Printer
Product number	76H09A
Paper handling	
Input	550-sheet input tray, 100-sheet multi-purpose tray; Up to 650 sheets Standard; Up to 10 envelopes
Output	**Standard:** 500-sheet output tray, 500-sheet output stapler stacker; Up to 1000 sheets Standard
Duplex Options	Automatic
Auto document feeder capacity	Standard, 150 sheets; **Duplex ADF scanning:** Yes
Envelope feeder	No
Standard paper trays	**Standard:** 2; **Maximum:** Up to 4
Media types	Paper (plain, light, intermediate, light bond, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined
Media weight	Paper (plain, light, intermediate, light bond, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined
Media sizes	Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Tray 2, optional 1x550-sheet feeders: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; optional 2,100-sheet high-capacity feeder: letter, legal; statement (with optional accessory)
Media Sizes Custom	Tray 1: 2.52 x 5 to 8.5 x 47.24 in; Tray 2, optional 1x550-sheet feeders: 4 x 5.83 to 8.5 x 14 in; optional 2,100-sheet high-capacity feeder: custom sizes not supported in this tray
Dimensions (W x D x H)[12]	19.7 x 18.7 x 35.2 in; 500 x 476 x 894 mm; **Maximum:** 33.9 x 32.5 x 44.8 in; 860 x 826 x 1139 mm
Weight	135.5 lb; 61.6 kg
What's in the box[1]	HP Color LaserJet Single-function Printer; HP Black Managed Original LaserJet Toner Cartridge (~9,000 yield), HP Cyan, Magenta and Yellow Managed Original LaserJet Toner Cartridges (~5,000 yield each) (toner cartridges installed); HP Black, Cyan, Magenta and Yellow Managed Original LaserJet Imaging Drums (~150,000 pages); Documentation (Hardware Install Guide); Power cord; Tray Lock Kit (Paper-size cassette locks, paper tray interface screws, P-cartridge door access control screws)
Replacement cartridges[2]	W9270MC HP W9270MC Black Managed Original LaserJet Toner Cartridge (~44,000 pages); W9271MC HP W9271MC Cyan Managed Original LaserJet Toner Cartridge (~33,000 pages); W9272MC HP W9272MC Yellow Managed Original LaserJet Toner Cartridge (~33,000 pages); W9273MC HP W9273MC Magenta Managed Original LaserJet Toner Cartridge (~33,000 pages); W9280MC HP W9280MC Black Managed Original LaserJet Imaging Drum (~150,000 pages); W9281MC HP W9281MC Cyan Managed Original LaserJet Imaging Drum (~150,000 pages); W9282MC HP W9282MC Yellow Managed Original LaserJet Imaging Drum (~150,000 pages); W9283MC HP W9283MC Magenta Managed Original LaserJet Imaging Drum (~150,000 pages)
Orderable supplies	HP W9280MC Black Managed Original LaserJet Imaging Drum (~150,000 pages); HP W9281MC Cyan Managed Original LaserJet Imaging Drum (~150,000 pages); HP W9282MC Yellow Managed Original LaserJet Imaging Drum (~150,000 pages); HP W9283MC Magenta Managed Original LaserJet Imaging Drum (~150,000 pages); HP LaserJet 110V Enhanced Fuser Kit 527G2A; HP LaserJet 220V Enhanced Fuser Kit 527G3A; HP LaserJet Managed 110V Enhanced Fuser Kit 527G4MC; HP LaserJet Managed 220V Enhanced Fuser Kit 527G5MC; HP LaserJet Managed Image Transfer Belt Kit 527H0MC; HP LaserJet Managed Transfer Roller Kit 527H1MC; HP LaserJet Tray 2 Roller Kit 527H2A; HP LaserJet MP Tray Roller Kit 527H3A; HP LaserJet ADF Maintenance Kit 6H122A; HP LaserJet ADF Flow Maintenance Kit 6M1P3A; HP LaserJet Toner Collection Unit 527F9A; HP Staple Cartridge Refill (5,000 staples) J8J96A
Warranty features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to https://hp.com/support to learn about HP award winning service and support options in your region.
Energy star certified	Yes
Energy efficiency compliance[3]	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold registered; SEPA; KOECO
Control panel	10.1 in (25.6 cm) touchscreen with color graphics
Display	10.1 in (25.6 cm) Color Graphic Display (CGD) with touchscreen; rotating (adjustable angle)
Software included	No software solutions are included in the Box only on http://hp.com http://123.hp.com;
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 WorldType); 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 https://www.hp.com/go/laserjetfonts
Compatible operating systems	Android; iOS; Windows 11; Windows 10; Windows Client OS; macOS 12 Monterey; macOS 11 Big Sur; macOS 10.15 Catalina; Linux; SAP; Chrome OS
Compatible network operating systems	Citrix; Linux; Novell; UNIX; Windows Server
Minimum system requirements	**PC:**2 GB available hard disk space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see microsoft.com;; **Mac:** 2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com;
Power[9]	**Power supply type:** Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier); **Power supply required:** Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220 V to 240V nominal, (+/-10%) 50 - 60Hz nominal (+/- 3Hz), 6 A; **Power consumption:** 816 watts (Printing/Copying), 63.4 watts (Ready), 1.1 watts (Sleep), 0.1 watts (Auto Off/Manual On), 0.1 watts (Manual Off); **Typical electricity consumption (TEC) number:** 0.849 kWh/week (Energy Star 3.0); 0.810 kWh/week (Blue Angel)
Acoustics	**Acoustic power emissions:** 6.6 B(A)
Operating environment	**Operating temperature range:** 50 to 91°F ; **Recommended operating temperature:** 59 to 80.6°F ; **Storage temperature range:** -4 to 104°F ; **Operating humidity range:** 10 to 80% RH ; **Recommended operating humidity range:** 30 to 70% RH
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; and 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 FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Hardware-based Memory ShieldTM with Control Flow Integrity (CFI) in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, EXEs, ...); Security management: Compatible with Device Security Syslog Messages processed and accessable in Arcsight and Splunk SIEMs

[1] For yield information on the cartridge(s) included with your printer, see https://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] Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see https://www.hp.com/go/toneryield
[3] EPEAT® registered where applicable. EPEAT registration varies by country. See https://www.epeat.net for registration status by country.
[4] Based on standard ITU-T test image #1 at standard resolution. More complicated pages or higher resolution will take longer and use more memory.
[5] Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[6] Measured using ISO/IEC 24734, excludes first set of test documents. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[7] Measured using ISO/IEC 17629. For more information see https://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[8] 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.
[9] Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
[10] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[11] For Scan Software (included in the box) we support; Windows [JPG, RAW (BMP), PDF, TIFF, PNG, RTF] and MAC [JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT]
[12] Maximum dimensions means doors, paper trays, and ADF (if applicable) are fully open.

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