

HP Color LaserJet Enterprise Flow MFP X677z Printer

76H09A

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.



Active between

Feb 28, 2023 - Nov 30, 9998

List Price \$ 11,147.31

[Additional Price Information](#) →

Overview

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]

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.

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 Shield™ 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.

Specifications

Acoustic power emissions (active scan) 7.0 B(A)

Acoustic power emissions (active, printing) 6.6 B(A)

Acoustic power emissions (ready) 3.4 B(A)

Acoustic power note Acoustic values are subject to change. For current information see <https://www.hp.com/support>. Configuration tested: worst case configuration, simplex printing, A4 paper at an average of 62 ppm.

Acoustic pressure emissions bystander (active scan) 58 dB(A)

Acoustic pressure emissions bystander (active, printing) 53 dB(A)

Acoustic pressure emissions bystander (ready) 18 dB(A)

ADF Capacity Up to 150 sheets

Auto fax reduction supported Yes

Automatic document feeder capacity Standard, 150 sheets

Automatic paper sensor Yes

Bit depth 24-bit

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

Blue Angel footnote ^[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.

Bottom margin (A4) 4.3 mm

Capacity	500 GB
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 scanning	Yes
Compatible Network Operating Systems	Citrix; Linux; Novell; UNIX; Windows Server
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
Component type	Printer
Configurable items	HP Color LaserJet Enterprise Flow MFP X677z Printer - Print: Up to 55 ppm black & 55 ppm color (letter); Up to 52 ppm color & 55 ppm black (A4); with optional speed license, print up to 65 ppm black & 65 ppm color (letter); Up to 61 ppm color & 65 ppm black (A4); 100 ppm/200 ipm duplex, single-pass, dual-head scanning ADF; 650-sheets standard/2,750-sheets maximum paper input; 1k paper output, single position, inner-staple finisher, 10.1 in (25.6 cm) color touch screen control panel; Up to 30,000 pages per month duty cycle; 6 GB RAM standard/maximum, 500 GB hard disk storage; Gigabit Ethernet with optional Dual-band Wireless, Wifi-Direct and BLE; 9k black/5k CMY starter toner cartridges
Connectivity, optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A
Connectivity, standard	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)
Control panel	10.1 in (25.6 cm) touchscreen with color graphics
Copier scaling (ADF)	25 to 200%
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
Copier smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400 percent); Collate; Auto color detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build
Copies, maximum	Up to 9999 copies
Copy reduce / enlarge settings	25 to 400%
Copy resolution (black text)	Up to 600 x 600 dpi

Copy resolution (color text and graphics)	Up to 600 x 600 dpi
Copy speed (black, normal quality, A4)	Up to 52 cpm; Up to 61 cpm (with 49K94AAE)
Copy speed (color, normal quality, A4)	Up to 52 cpm; Up to 61 cpm (with 49K94AAE)
Copy speed black (normal, letter)	Up to 55 cpm; Up to 65 cpm (with 49K94AAE)
Copy speed black duplex (A4)	Up to 52 ipm; Up to 61 ipm (with 49K94AAE)
Copy speed black duplex (Letter)	Up to 55 ipm; Up to 65 ipm (with 49K94AAE)
Copy speed color (normal, letter)	Up to 55 cpm; Up to 65 cpm (with 49K94AAE)
Copy speed color duplex (A4)	Up to 52 ipm; Up to 61 ipm (with 49K94AAE)
Copy speed color duplex (Letter)	Up to 55 ipm; Up to 65 ipm (with 49K94AAE)
Copy speed note	<p>First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity.</p>
Digital sending standard features	<p>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</p>
Display	10.1 in (25.6 cm) Color Graphic Display (CGD) with touchscreen; rotating (adjustable angle)
Display area (imperial)	8.53 x 5.34 in
Distinctive ring detection supported	No

Downloadable software	<p>From https://123.hp.com-HP Easy Start (Guided Software Install for Windows and Mac) From https://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 https://hp.com for Mac OS-; HP Mac OS Print Driver; HP Easy Admin; HP Universal Fax Driver; HP Universal Scan Solution; For Mobile OS-; iOS For more information see https://hp.com/go/businessmobileprinting; Android For more information see https://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 For more information on the supported operating systems go to https://support.hp.com; SAP Print Drivers for more information see https://support.hp.com/us-en/document/c05051702; HP Web JetAdmin; Printer Driver for more information see https://hplipopensource.com/hplip-web/index.html; Unix Model Script Printer Driver For more information on the supported operating systems go to https://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; Supported Operating systems; For more information on the supported operating systems also see www.hp.com/go/upd; HP Smart Suite- Basic (Only supported on Windows 10 and above); HP Smart Suite- Advanced (Only supported on Windows 10 and above); HP SmartApp (Only supported on Windows 10 and above); HP SmartDriver; HP PrintScanDr; HP WebJetAdmin + Workpath; HP Command Center; Chrome Extension; Android Plug-in;</p>
Driver updates	<p>Current HP printer drivers and software can be obtained from the HP Customer Care Web site: Go to https://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" for the software desired;</p>
Duplex ADF scanning	Yes
Duplex printing	Automatic
Duty cycle (monthly, A4)	Up to 180,000 pages
Duty cycle (monthly, letter)	Up to 180,000 pages
Ecolabels	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold registered; SEPA; KOECO
Ecolabels footnote	[3] EPEAT® registered where applicable. EPEAT registration varies by country. See https://www.epeat.net for registration status by country.
Electromagnetic compatibility	CISPR 22:2008 (International) Class A, CISPR 32:2015 (International) Class A / EN 55032:2015 Class A + A11:2020, CISPR 35:2016 (International) / EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1:2019 + A2:2021, FCC 47 CFR Part 15 Class A, ICES-003, Issue 7 Class A. Other EMC approvals as required by individual countries.
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology; Instant-on Copy; Power save
Energy star certified	Yes
Engine life	500000
Enhanced scanning resolution	Up to 600 dpi

Envelope Feeder	No
Fax Auto Redial	Yes
Fax Broadcast Locations	0
Fax delayed sending	No
Fax forwarding	Yes (with optional analog fax accessory)
Fax memory	Up to 1000 pages
Fax PC Interface Supported	Yes
Fax phone TAM interface supported	No
Fax Polling	Yes (poll to receive only)
Fax Remote Retrieval	Yes
Fax resolution black	Up to 203 x 196 dpi
Fax Resolution Black (best)	Up to 300 x 300 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 Speed Dials, Maximum Number	Up to 1000 numbers
Fax telephone mode supported	No
Fax Transmission Speed	Up to 33.6 kbps (with optional analog fax accessory)
Fax transmission speed (letter)	3 sec per page
Fax Transmission Speed Note	[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.
Faxing	Optional
FCC Class A emissions	FCC Class A emissions - for use in commercial environments, not residential environments
File Format Supported	CSV (OCR); Hi-Compression PDF; HTML (OCR); JPG; MTIFF; PDF; PDF/A; RTF (OCR); Searchable PDF (OCR); Searchable PDF/A (OCR); TEXT (OCR); TIFF; Unicode TEXT (OCR); XPS
Finished output handling	Input: Sheet fed; Output: Staple; Stack; Job Offset

First copy out black (A4, sleep) As Fast as 10.2 sec; As fast as 9.7 sec (with 49K94AAE)

First copy out black (A4) As fast as 5.3 sec; As fast as 5.1 sec (with 49K94AAE)

First copy out black (letter, sleep) As Fast as 10 sec; As fast as 9.2 sec (with 49K94AAE)

First copy out black (letter) As fast as 5.2 sec; As fast as 5.0 sec (with 49K94AAE)

First copy out color (A4, sleep) As Fast as 11.2 sec; As fast as 10.2 sec (with 49K94AAE)

First copy out color (A4) As fast as 6.2 sec; As fast as 6.0 sec (with 49K94AAE)

First copy out color (letter, sleep) As fast as 11 sec; As fast as 9.8 sec (with 49K94AAE)

First copy out color (letter) As fast as 6.1 sec; As fast as 5.9 sec (with 49K94AAE)

First page out black (A4, ready) As fast as 6.6 sec; As fast as 6.5 sec (with 49K94AAE)

First page out black (A4, sleep) As fast as 9.8 sec; As fast as 9.5 sec (with 49K94AAE)

First page out black (letter, ready) As fast as 6.5 sec; As fast as 6.4 sec (with 49K94AAE)

First page out black (letter, sleep) As fast as 9.6 sec; As fast as 9.4 sec (with 49K94AAE)

First page out color (A4, ready) As fast as 7.4 sec; As fast as 7.1 sec (with 49K94AAE)

First page out color (A4, sleep) As fast as 10.2 sec; As fast as 10.1 sec (with 49K94AAE)

First page out color (letter, ready) As fast as 7.3 sec; As fast as 6.9 sec (with 49K94AAE)

First page out color (letter, sleep) As fast as 10.1 sec; As fast as 10.0 sec (with 49K94AAE)

First page out footnote [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.

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>

Functions	Print, copy, scan, fax (optional)
Input capacity	Up to 650 sheets
Internal Storage	Standard, minimum 500 GB HDD; Optional, 256 GB SSD
Junk fax barrier	Yes, up to 30 numbers may be blocked
Left margin (A4)	4.3 mm
Levels of grayscale	256
Mac compatible	Yes
Manufacturer Warranty	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.
Maximum Input Capacity (envelopes)	Up to 10 envelopes
Maximum input capacity (sheets)	Up to 2750 sheets
Maximum Memory	6 GB
Maximum output capacity (sheets)	Up to 1000 sheets
Maximum print area	207.4 x 1191.4 mm
Media size (ADF)	Letter; legal; oficio; executive; statement; 16K; A4; RA4; A5; A6; B5; B6 (JIS); Postcard (JIS); DPostcard (JIS); 4 x 6 in; 5 x 7 in; 5 x 8 in; 68 x 147 mm to 215.9 x 863.6 mm; 2.68 x 5.79 in to 8.46 x 34 in
Media size, tray 1	A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio 216 x 340, 16k, Postcard (JIS), DPostcard (JIS), Envelopes (DL, C5, B5, C6); custom 64 x 127 to 216 x 1200 mm
Media size, tray 2	A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio 216 x 340, 16k, DPostcard (JIS); custom 101 x 148 to 216 x 356 mm
Media size, tray 3	optional 1x550-sheet feeders: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio 216 x 340, 16k, DPostcard (JIS); custom 101 x 148 to 216 x 356 mm; optional 2,100-sheet high-capacity feeder: A4; A5 (with optional accessory)
Media sizes supported	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 supported, key	Letter; Legal
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

Media type and capacity, ADF	Sheets: 150
Media type and capacity, tray 1	Paper: 100 sheets of 75 g/m ² media; Envelopes: 10
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 (tray 1)	60 to 220 g/m ² (plain), 120 to 220 g/m ² (glossy)
Media weight (tray 2)	60 to 220 g/m ² (plain); 120 to 220 g/m ² (glossy)
Media weight (tray 3)	1x550-sheet feeders: 60 to 220 g/m ² (plain); 120 to 220 g/m ² (glossy); 2,100-sheet high capacity input: 60 to 220 g/m ² (plain)
Media weight, supported	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 weights, supported ADF	12 to 53 lb
Memory	6 GB
Memory Slots	None
Minimum System Requirements	2 GB available hard disk space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see microsoft.com ;
Minimum System Requirements for Macintosh	2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com ;
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria™ Certified; Roam optional; NFC Touch-to-print (optional)
Modem	33.6 kbps (with optional analog fax accessory)
Native scan file format	PDF; JPG; TIFF; MTIFF
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)
Network protocols, supported	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, Google Cloud Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x

Number of print cartridges	4 toner cartridges (1 each for black, cyan, magenta, yellow); 4 drum units (1 each for black, cyan, magenta, yellow)
Number of users	Over 25 Users
Operating humidity range	10 to 80% RH
Operating system (supported note)	Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see
Operating temperature range	50 to 91°F
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
Output capacity	Up to 1000 sheets
Page yield (set-up/inbox cartridges)	~9,000 pages black, ~5,000 pages cyan, magenta, yellow composite yield
Paper handling input, optional	optional 550-sheet input trays (up to 2), optional 2,100-sheet high capacity input
Paper handling input, standard	550-sheet input tray, 100-sheet multi-purpose tray
Paper handling output, standard	Up to 3300 sheets; Staple; Stack; Job Offset; Punch; Booklet Staple; Convenience Stapler
Paper trays, maximum	Up to 4
Paper trays, standard	2
Power	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)
Power consumption Note	Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.
Power supply type	Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier)

Print colors	Yes
Print languages	HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™
Print quality black (best)	Up to 1,200 x 1,200 dpi
Print quality black (normal)	Up to 600 x 600 dpi
Print quality color (best)	Up to 1200 x 1200 dpi
Print resolution black (fine lines)	Up to 1200 x 1200 dpi
Print resolution color (fine lines)	Up to 1200 x 1200 dpi
Print resolution color (normal)	Up to 600 x 600 dpi
Print Resolution Technologies	HP ImageREt 4800, Fine Lines (1200x1200 dpi), Quickview (300x300 dpi)
Print speed	Print speeds up to 55 ppm (black) and 65 ppm (color); with optional speed license, print up to 65 ppm (black and 65 ppm (color)
Print speed black (ISO, A4)	Up to 52 ppm; Up to 61 ppm (with 49K94AAE)
Print speed black (ISO, letter)	Up to 55 ppm; Up to 65 ppm (with 49K94AAE)
Print speed black (Landscape, A5)	Up to 84 ppm; Up to 99 ppm (with 49K94AAE)
Print speed black (Portrait, A5)	Up to 72 ppm; Up to 85 ppm (with 49K94AAE)
Print speed color (ISO)	Up to 55 ppm; Up to 65 ppm (with 49K94AAE)
Print Speed Color (ISO)	Up to 52 ppm; Up to 61 ppm (with 49K94AAE)
Print speed color (Landscape, A5)	Up to 84 ppm; Up to 99 ppm (with 49K94AAE)
Print speed color (Portrait, A5)	Up to 72 ppm; Up to 85 ppm (with 49K94AAE)
Print speed duplex (A4)	Up to 52 ipm; Up to 61 ipm (with 49K94AAE)
Print speed duplex (letter)	Up to 55 ipm; Up to 65 ipm (with 49K94AAE)

Print speed footnote	[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.
Print speed footnote (A5)	[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.
Print speed footnote number (A5)	[5]
Print Technology	Laser
Print technology	Laser
Printer black pages (MPV black)	2700
Printer color pages (MPV color)	1800
Printer Management	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)
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
Processor speed	1.6 GHz
Recommended media weight (duplex)	16 to 90 lb (plain); 32 to 58 lb (glossy)
Recommended monthly page volume	Up to 30,000 pages
Recommended operating humidity range	30 to 70% RH
Recommended operating temperature range	59 to 80.6°F
Registration required	No
Replacement cartridges	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)

Replacement cartridges footnote	[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
Resolution	600 dpi
Resolution (black and white, standard mode)	200 x 100 dpi
Resolution (black and white, superfine mode)	Up to 300 x 300 dpi
Resolution (black photo grayscale)	300 x 300 dpi (halftone)
Right margin (A4)	4.3 mm
RMN number	BOISB-2002-02
Safety	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); IEC 62368-1:2014; EN 62368-1:2014(EU); EN 60825-1:2014 +A11:2021/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; IEC 62471:2006 / EN 62471:2008; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); UL62368-1 2nd Ed. 2014-12-01, CSA C22.2 No. 62368-1-14, 2nd Ed.; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 56, Dated May 8, 2019; Other safety approvals as required by individual countries.
Scan file format	PDF; Hi-Compression PDF; PDF/A; JPEG; TIFF; XPS
Scan file format footnote	[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]
Scan input modes	Front Panel Applications: Copy; E-Mail; FAX; Save to Network Folder; Save to USB; Save to Device Memory; Open Extensibility Platform (OXF) Applications, HP Workpath Applications
Scan resolution, hardware	Up to 600 x 600 dpi
Scan resolution, optical	Up to 600 x 600 dpi
Scan size (ADF), maximum	8.5 x 34.0 in
Scan size (ADF), minimum	2.7 x 5 in
Scan size, maximum	8.5 x 14 in
Scan speed (normal, A4)	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)
Scan speed (normal, letter)	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)
Scan speed duplex (normal, letter)	Up to 200 ipm (b&w), up to 200 ipm (color); Up to 200 ipm (b&w), up to 200 ipm (color) (with 49K94AAE)

Scan speed footnote	[10] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
Scan technology	Charge Coupled Device (CCD) Flatbed; Contact Image Sensor (CIS) ADF
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
Scanner type	Flatbed ; ADF
Security	HP Access Control; HP card readers; HP Security Manager; HP Advance; HP Secure Print and Insights
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 Shield™ 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 accessible in Arcsight and Splunk SIEMs
Software included	No software solutions are included in the Box only on http://hp.com http://123.hp.com ;
Software scan file format	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]
Standard media sizes (duplex, imperial)	Letter; Legal; Executive; Oficio (8.5 x 13 in); Statement
Standard media sizes (duplex)	A4; A5; B5 (JIS); RA4; 16K; Oficio (216 x 340 mm)
Storage	500 GB hard disk drive
Storage device and direct print support	Wi-Fi Direct; USB Printing; Front-facing USB/Flash drive; Walk-up USB printing
Storage temperature range	-4 to 104°F
Supplies feature	TerraJet Cartridge
Sustainable impact specifications	15% post-consumer recycled plastic; ENERGY STAR® certified; EPEAT® registered
Target user and print volume	For teams over 25 users; Prints up to 30,000 pages/month
Tariff numbers	8443310000(AM-Base-HTS); 8443310000(EU-Base-HTS); 84433121(AP-Base-HTS)

Technical features	Automatic document feeder; Automatic 2-sided printing; Bluetooth printing; Cloud-based fleet management; Color touchscreen with apps; ENERGY STAR®; Network printing; Fast first page out; Full ream of paper input; Google Cloud Print; HP Auto-on/Auto-off; TerraJet Toner; Private Print via PIN; Scan-to-cloud; Scan-to-email; Scan-to-folder; Touchscreen; Walk-up USB; Optional Fax
Telephone handset supported	No
Top key features	Flow; Touchscreen; Stapling; TerraJet cartridge
Top margin (A4)	4.3 mm
Tray capacity	Up to 3300 sheets
Twain version	Version 2.4
Typical electricity consumption (TEC) footnote	[9] 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	0.849 kWh/week (Energy Star 3.0); 0.810 kWh/week (Blue Angel)
UNSPSC code	43212110
What's in the box	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)

Accessories

Active

Accessory Bundles (3) ^

Data Security Accessories (1) ^

HP Removable Hard Drive Enclosure

2NR12A

Active

Printer Accessibility Accessories (2) ^

HP Printing Voice Assistant

478C2A

Active

HP Accessibility Kit

2TD64A

Active

Cabinets and Stands (1)



Printer Cabinets and Stands (1)



HP Color LaserJet Stand

6QN54A

Active

Cables/Cable Kits/Cable Adapters (1)



Printer Cables (1)



HP Foreign Interface Harness

B5L31A

Active

Expansion Solution and Controller Cards (1)



Expansion Packs and Solutions (1)



Internal USB Expansion Kit

4XN67A

Active

Fax Accessories (1)



Fax Accessories and Options (1)



HP MFP Analog Fax 702 Accessory

1M0Q0A

Active

Network Print Servers (2)



External Print Servers (1)



HP Jetdirect 3100w BLE/NFC/Wireless Accessory

3JN69A

Active

Internal Print Servers (1)



HP Jetdirect LAN Accessory

8FP31A

Active

Paper Handling (13)



Input Trays (12)



HP Color LaserJet Comet Red 2100 sheet High Capacity Paper Tray/Stand

65A36A

Active

HP Color LaserJet Aurora Purple 550 sheet Paper Tray	65A30A	Active
HP Color LaserJet Aurora Purple 2100 sheet High Capacity Paper Tray/Stand	65A35A	Active
HP Color LaserJet 2100 HCI Feeder and Stand	6QN58A	Active
HP Color LaserJet Comet Red 550 sheet Paper Tray	65A31A	Active
HP Color LaserJet Cosmic Green 2100 sheet High Capacity Paper Tray/Stand	65A34A	Active
HP Color LaserJet 550-sheet Media Tray	6QN57A	Active
HP Color LaserJet Cosmic Green 550 sheet Paper Tray	65A29A	Active
HP Color LaserJet Constellation Yellow 550 sheet Paper Tray	65A28A	Active
HP Color LaserJet Lunar Gray 550 sheet Paper Tray	65A32A	Active
HP Color LaserJet Constellation Yellow 2100 sheet High Capacity Paper Tray/Stand	65A33A	Active
HP Color LaserJet Lunar Gray 2100 sheet High Capacity Paper Tray/Stand	65A37A	Active

Staple Cartridges (1)

HP Staple Cartridge Refill	J8J96A	Active
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Printer Accessories (11)

LaserJet Options (11)

HP Color LaserJet Cosmic Green Storage Stand	65A39A	Active
HP LaserJet Statement HCI Guide Kit	616H0A	Active
HP Color LaserJet Constellation Yellow Storage Stand	65A38A	Active
HP LaserJet Workflow Accelerator Card	1M0Q5A	Active
HP Color LaserJet Aurora Purple Storage Stand	65A40A	Active
HP Color LaserJet Comet Red Storage Stand	65A41A	Active
HP LaserJet Workflow Keyboard	1M0Q2A	Active
HP LaserJet A5 HCI Guide Kit	616G9A	Active

HP Color LaserJet Storage Stand	6QN55A	Active
HP 500GB CCC, FIPS Hard Disk Drive	9EQ11A	Active
HP Color LaserJet Lunar Gray Storage Stand	65A42A	Active

Security and Protection (5)

Smart Cards and SmartCard Readers (5)

HP Legic Secure USB Reader	4QL32A	Active
HP USB Universal Card Reader	X3D03A	Active
HP SmartCard SIPRNet Solution for US Government	F8B30A	Active
HP SmartCard NIPRNet Solution for US Government	CC543B	Active
HP HIP2 Keystroke Reader	Y7C05A	Active

Overview

[1] Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalized content and integration functions are applicable to supported HP Workpath apps only.

[2] Targeted fusing technology comes standard on the 6000/X600 series bundles and is offered as an optional service part on the 5000/X500 series.

[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. Measured using standards found at: http://standards.iso.org/ittf/PubliclyAvailableStandards/SC28_Test_Pages/

[4] Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

[5] Reverse and retry technology is only available on Flow-based models.

[6] 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 2022 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://www.hp.com/go/PrintersThatProtect). For more information, visit: <http://www.hp.com/go/printersecurityclaims>.

[7] Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019-2024. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: <https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf>.

[9] Contact your HP or your Partner Representative to learn more about Custom Color Manager.

Specifications

[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.

Legal disclaimer

Product image may differ from actual product