HP Color LaserJet Managed MFP E786dn Printer Series

Powerful. Flexible. Secure.

Change is the only constant in business. Transform your business with a printer that can be upgraded over time to expand capabilities. With HP's most secure printers [1] you'll stay secure and simplify fleet management for busy IT pros.

Unleash peak productivity.

- Tackle anything with our powerful CPU. Maximize your productivity and increase your overall print performance by copying, scanning and printing documents of all sizes at virtually full speed.
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons on the 10.1-inch color touchscreen display.
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart firmware. [3]
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency. [4]

Customizable solutions built to last.

- Your business needs met. Make the most of performance with unprecedented, flexible configurations built to support the demands of your business.
- Unleash your creativity and match any office décor with modern designs and the option of five customizable color panels.
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart firmware. [3]
- Make your day-to-day easier by customizing your print experience with cloud-connected HP Workpath apps that let you access personalized content, integrate paper and digital workflows. [2]

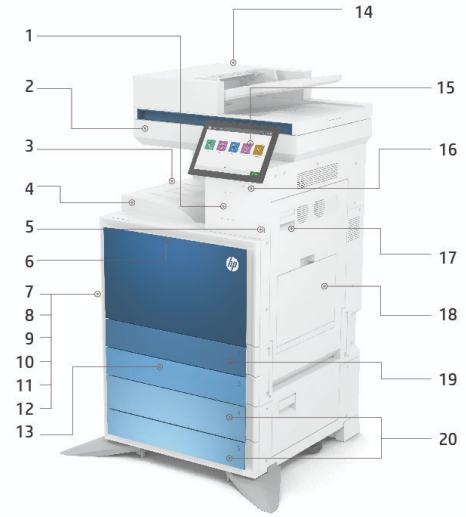## Always on guard with HP Wolf Security. [5]

- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Run-time intrusion detection is always on guard. Common Criteria certified [6] to continually monitor memory activity to keep you safe, detecting and stopping attacks in real time.
- HP Memory Shield™ with active system monitoring is an embedded security feature that helps prevent a wide variety of malware attacks from redirecting the execution flow of a program.

Better printing, for a better planet.

- The fiber-based packaging, including outer box and interior fiber-based cushions, for this product is 100% sustainably sourced, meaning it's made from recycled or certified content. [8]
- Our devices are made with the planet in mind with energy-efficient printing and toner cartridges made from more than 57% recycled plastic. [9] Printing that puts the planet first.
- Our improved energy efficient designs meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel. [7]
- With formulas that meet current indoor air quality standards, our ultra-low melt toner is efficient for both printing and the planet. [11]

Product walkaround

1. Hardware Integration Pocket (for connecting accessories and third-party devices)[1]
2. Flatbed scanner handles sheets up to 11x17 in (297 x 432 mm)
3. 500-sheet output bin
4. Automatic two-sided printing
5. Easy-access USB port[2]
6. Front door access to toner cartridges
7. HP High-Performance Secure Hard Disk
8. Slot for cable-type security lock
9. SuperSpeed USB 3.0 Host Port
10. Hi-Speed USB 2.0 Host Port
11. Gigabit Ethernet Port
12. SuperSpeed USB 3.0 device port
13. 520-sheet tray 3 supports media sizes up to A3 (11x17 in)
14. 200-sheet dual side ADF supports media sizes up to A3 (11x17 in)
15. 10.1 inch (25.6 cm) color touchscreen display
16. Power button
17. Right door access to the print path
18. 100-sheet multipurpose tray 1 supports media sizes up to A3 (11x17 in)
19. 520-sheet tray 2 supports media sizes up to A4 (Letter)
20. Optional 2 x 520-sheet dual tray/stand supports media sizes up to A3 (11x17 in)

Series at a glance

Model	HP Color LaserJet Managed MFP E786dn		
Product number	5QJ90A	5QJ90A (Base) + 8EP56AAE (Speed license)	5QJ90A (Base) + 8EP57AAE (Speed license)
Print speed (A4 and letter, Black and color)[3]	Up to 25 ppm	Up to 30 ppm	Up to 35 ppm
Scan speed (A4 and letter, Black and color)[4]	90 ppm/180 ipm, simplex/duplex		
Functions	Print, copy, and scan (fax and wireless optional) (all models)		
ADF capacity	200 sheets		
Input capacity	Standard: 1,140 sheets; Maximum: 3,140 sheets (all models)		
Advanced workflow features	No		

[1] Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. [2] An administrator must enable the easy-access USB port before use. [3] Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [4] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Top features

Get more done faster with printing, scanning and copying speeds, maximum uptime – powered by HP's custom designed quadcore processor.
Optimize your workflows and help increase productivity with upgradeable hardware options and scalable solutions to support your workforce for today and tomorrow.
HP Wolf Enterprise Security provides the world's most secure printing through industry leading multi-layer, self-healing security that protects, detects, and adapts to new threats. [1] We keep trouble out so you can keep your business running.
Save resources with our energy efficient printing that meets EPEAT Gold, Blue Angel and Energy Star standards [7]; supporting HP's goal for carbon neutrality and a fully sustainable economy.

Services and Solutions

Service and Support	U03GVE - HP 1 year Next Business Day with DMR Service for Color LaserJet Managed MFP E786xx
	U03GWE - HP 3 year Next Business Day with DMR Service for Color LaserJet Managed MFP E786xx
	U03GXE - HP 4 year Next Business Day with DMR Service for Color LaserJet Managed MFP E786xx
	U03GYE - HP 5 year Next Business Day with DMR Service for Color LaserJet Managed MFP E786xx
	U03GZE - HP 3 year 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E786xx
	U03H0E - HP 4 year 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E786xx
	U03H1E - HP 5 year 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E786xx
	U03H2E - HP 1 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E786xx (Managed Component Only)
	U03H3E - HP 3 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E786xx (Managed Component Only)
	U03H4E - HP 4 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E786xx (Managed Component Only)
	U03H5E - HP 5 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E786xx (Managed Component Only)
	U03H6PE - HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E786xx
	U03H7PE - HP 2 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E786xx
	U03H8PE - HP 1 year Post Warranty 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E786xx
	U03H9PE - HP 2 year Post Warranty 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E786xx
	U03HBPE - HP 1 year PW Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E786xx (Managed Component Only)
	U03HCPE - HP 2 year PW Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E786xx (Managed Component Only)
	U9PR6E - HP A3 Installation Service for E7xxxx/E8xxxx MFP
Solutions	**Security**: HP Access Control; 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 Smart UPD; HP For Universal Print Workpath App
	Management: HP Web JetAdmin; HP Smart Device Services (SDS); Embedded Web Server; HP Custom Color Manager; HP Command Center; HP Smart Printer Administrator's Resource Kit

Front panel optional colors

*Available with optional color panel accessories

Accessories		
	155P7A	HP LaserJet InnerFinisher 2/3 Hole Punch
	155P8A	HP LaserJet InnerFinisher 2/4 Hole Punch
	190A0A	HP Color LaserJet Workgroup Lunar Gray Color Panel
	190A6A	HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Lunar Gray Color Panel
	190A7A	HP LaserJet Workgroup High Capacity Paper Tray/Stand Lunar Gray Color Panel
	190A9A	HP LaserJet Workgroup Stand Lunar Gray Color Panel
	190B0A	HP Color LaserJet Workgroup Comet Red Color Panel
	190B6A	HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Comet Red Color Panel
	190B7A	HP LaserJet Workgroup High Capacity Paper Tray/Stand Comet Red Color Panel
	190B9A	HP LaserJet Workgroup Stand Comet Red Color Panel
	190C0A	HP Color LaserJet Workgroup Cosmic Green Color Panel
	190C6A	HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Cosmic Green Color Panel
	190C7A	HP LaserJet Workgroup High Capacity Paper Tray/Stand Cosmic Green Color Panel
	190C9A	HP LaserJet Workgroup Stand Cosmic Green Color Panel
	190D0A	HP Color LaserJet Workgroup Constellation Yellow Color Panel
	190D6A	HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Constellation Yellow Color Panel
	190D7A	HP LaserJet Workgroup High Capacity Paper Tray/Stand Constellation Yellow Color Panel
	190D9A	HP LaserJet Workgroup Stand Constellation Yellow Color Panel
	190F0A	HP Color LaserJet Workgroup Aurora Purple Color Panel
	190F6A	HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Aurora Purple Color Panel
	190F7A	HP LaserJet Workgroup High Capacity Paper Tray/Stand Aurora Purple Color Panel
	190F9A	HP LaserJet Workgroup Stand Aurora Purple Color Panel
	2NR12A	HP Removable Hard Drive Enclosure
	2TD64A	HP Accessibility Kit
	3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	478C2A	HP Printing Voice Assistant
	4QL32A	HP Legic Secure USB Reader
	4XN67A	Internal USB Expansion Kit
	5QK14A	HP MFP 810 Analog Dual Fax
	6GW46A	HP LaserJet 2x520 sheet Workgroup Paper Tray/Stand
	6GW48A	HP LaserJet 2000 sheet Workgroup High Capacity Paper Tray/Stand
	6GW49A	HP LaserJet Inner Finisher
	6GW51A	HP LaserJet Booklet Finisher
	6GW52A	HP LaserJet Workgroup Job Separator
	6GW54A	HP LaserJet Workgroup Stand
	6GW55A	HP LaserJet Stapler/Stacker Finisher
	6HN31A	HP 500GB CCC, FIPS, TAA Hard Disk Drive
	7ZA07A	HP MFP 811 Analog Dual Fax
	7ZA08A	HP MFP 800 Analog Single Fax
	7ZA09A	HP MFP 801 Analog Single Fax
	8FP31A	HP Jetdirect LAN Accessory
	9EQ11A	HP 500GB CCC, FIPS Hard Disk Drive
	B5L31A	HP Foreign Interface Harness
	CC543B	HP SmartCard NIPRNet Solution for US Government
	F8B30A	HP SmartCard SIPRNet Solution for US Government
	X3D03A	HP USB Universal Card Reader
	Y1G10A	HP LaserJet Hole Punch 2/3 Accessory
	Y1G13A	HP LaserJet Inner/Booklet Staples
	Y1G14A	HP LaserJet Stapler/Stacker Finisher Staples
	Y1G22A	HP LaserJet Paper Tray Heaters Accessory
	Y1G23A	HP LaserJet Second Exit Accessory
	Y7C05A	HP HIP2 Keystroke Reader
	Y7C07A	HP SIM for HID iClass for HIP2 Reader

Speed Licenses	
8EP56AAE	HP Color LaserJet Managed MFP E786 25 to 30ppm License
8EP57AAE	HP Color LaserJet Managed MFP E786 25 to 35ppm License
8LB46AAE	HP Color LaserJet Managed MFP E786 30 to 35ppm License

Supplies		
	W9074MC	HP W9074MC Black Managed LaserJet Imaging Drum
	W9075MC	HP W9075MC Color Managed LaserJet Imaging Drum
	W9140MC	HP W9140MC Black Managed LaserJet Toner Cartridge
	W9141MC	HP W9141MC Cyan Managed LaserJet Toner Cartridge
	W9142MC	HP W9142MC Yellow Managed LaserJet Toner Cartridge
	W9143MC	HP W9143MC Magenta Managed LaserJet Toner Cartridge
	W9150MC	HP W9150MC High Yield Black Managed LaserJet Toner Cartridge
	W9151MC	HP W9151MC High Yield Cyan Managed LaserJet Toner Cartridge
	W9152MC	HP W9152MC High Yield Yellow Managed LaserJet Toner Cartridge
	W9153MC	HP W9153MC High Yield Magenta Managed LaserJet Toner Cartridge

* HP LaserJet Workflow Accelerator Card, 6HN30A will be available in January 2023.

Technical specifications

Functions	Print, copy, scan, fax (optional)			
Print speed[3,4]	Letter Black	Up to 25 ppm	Up to 30 ppm (with 8EP56AAE)	Up to 35 ppm (with 8EP57AAE)
	Letter Color	Up to 25 ppm	Up to 30 ppm (with 8EP56AAE)	Up to 35 ppm (with 8EP57AAE)
	First page out Letter Black	As fast as 9.8 sec	As fast as 8.8 sec (with 8EP56AAE)	As fast as 8.4 sec (with 8EP57AAE)
	First page out Letter Color	As fast as 11.7 sec	As fast as 10.3 sec (with 8EP56AAE)	As fast as 9.7 sec (with 8EP57AAE)
Print resolution##prntresftntnbr##	Black (normal): Up to 600 x 600 dpi; Black (fine lines): Up to 1200x1200 dpi reduced speed; Color (normal): Up to 600 x 600 dpi; Color (fine lines): Up to 1200 x 1200 dpi reduced speed			
Print technology	Laser			
Print cartridges number	4 (1 each black, cyan, magenta, yellow)			
Standard print languages	HP PCL 5c, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible			
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			
Color scanning	Yes			
Scan speed Normal[5]	Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) Duplex: Up to 180 ipm (b&w), up to 180 ipm (color)			
Scan type / Technology	ADF; Flatbed / D-CIS; Platen Scanner (CCD)			
Scan resolution	Hardware: Up to 600 x 600 dpi; Optical: Up to 600 x 600 dpi			
Scan file format	Hi-Compression PDF; JPEG; MTIFF; PDF; PDFA; TIFF; XPS			
Scan input modes	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications			
Scan Size	ADF Maximum: 11 x 17 in ADF Minimum: 2.7 x 5 in Flatbed: 11.69 x 17 in			
Duplex ADF scanning	Yes, single pass duplex scanning			
ADF capacity	Standard, 200 sheets			
Twain version	Version 2.4			
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			
Copy speed[7]	Letter Black	Up to 25 cpm	Up to 30 cpm (with 8EP56AAE)	Up to 35 cpm (with 8EP57AAE)
	Letter Color	Up to 25 cpm	Up to 30 cpm (with 8EP56AAE)	Up to 35 cpm (with 8EP57AAE)
	Letter Black Duplex	Up to 18 cpm	Up to 22 cpm (with 8EP56AAE)	Up to 24 cpm (with 8EP57AAE)
	Letter Color Duplex	Up to 18 cpm	Up to 22 cpm (with 8EP56AAE)	Up to 24 cpm (with 8EP57AAE)
	First copy out Letter Black	As fast as 6.7 sec	As fast as 5.4 sec (with 8EP56AAE)	As fast as 4.8 sec (with 8EP57AAE)
	First copy out Letter Color	As fast as 8.9 sec	As fast as 7.6 sec (with 8EP56AAE)	As fast as 6.8 sec (with 8EP57AAE)
Copy resolution	Black (text and graphics): ; Up to 600 x 600 dpi ; 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	Booklet; Collation; Content orientation; Edge Erase; Image adjustment; Job build; N or Z-ordering; N-up; Text/Photo; Two-sided copy; Watermark; reduce/enlarge; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image shift; Image preview; Paper selection; Blank page suppression; Scan to job storage; Automatically strainghten; Automatically detect color/monochrome			
Fax speed	Up to: 33.6 kbps / Letter: 3 sec per page			
Fax resolution	Black (best): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Black (standard): 203 x 98 dpi			
Fax Features	Fax memory: Up to 500 pages; Up to 500 pages Auto fax reduction supported: Yes Auto-redialing: Yes Fax delayed sending: No Distinctive ring detection supported: No Fax forwarding supported: Yes Fax phone TAM interface supported: No Fax polling supported: Yes (poll to receive only) Fax telephone mode supported: No Junk barrier supported: Yes Maximum speed dialing numbers: Up to 1000 numbers (each with 210 destinations) PC interface supported: Yes Remote retrieval capability supported: No Telephone handset supported: No			
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	Standard (built-in Gigabit 10/100/1000T Ethernet)			
Wireless capability	Optional, enabled with purchase of a hardware accessory			
Mobile printing capability	Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print			
Memory	Standard:6 GB; Maximum:6 GB			
Processor speed	Quad Core (1.6GHz), Dual Core (1.4GHz) / Storage: Standard, embedded 500 GB hard disk drive / Hard disk: Standard, HP LaserJet 500 GB Hard Disk Drive; AES 256 hardware encryption; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)			
Duty cycle (monthly)	Letter:	Up to 110,000 pages	Up to 130,000 pages (with 8EP56AAE)	Up to 150,000 pages (with 8EP57AAE)
Recommended monthly page volume	Up to 20,000			

Technical specifications

Paper handling	**Input Capacities:** Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to 520 sheets; Tray3: up to 520 sheets) Standard; Up to 10 envelopes; **Input Capacities, Max:** Up to 3140 sheets; **Output Capacities:** Up to 500 sheets Standard; Up to 100 sheets Transparencies; **Duplex Options:** Automatic; **Envelope feeder:** No; **Standard paper trays:** 3
Media types supported	Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Card stock 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Color Transparency, Labels, Letterhead, Envelope, Preprinted, Pre punched, Colored
Media weight supported	Tray 1: 16 to 79.5 lb bond; Tray 2, 3: 16 to 58.5 lb bond
Media sizes supported	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio 8.5 x 13, 11 x 17, 4 x 6, 5 x 7, 5 x 8,10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8, 16k; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 8k, 16k
Media Sizes Custom	Tray 1: 3.86 x 5.83 to 11.69 x 17 in; Tray 2: 5.48 x 8.27 to 11.69 x 14.33 in; Tray 3: 5.48 x 8.27 to 11.69 x 17 in
What's in the box	5QJ90A In box materials; Guide install; Flyer Regulatory; Power Cords; Keyboard/Overlay for Z model; Label; Drums.
Replacement cartridges[1]	HP Black Managed LJ Toner Cartridge (ISO Yield 29,000) W9150MC; HP Cyan Managed LJ Toner Cartridge (ISO Yield 24,000) W9151MC; HP Yellow Managed LJ Toner Cartridge (ISO Yield 24,000) W9152MC; HP Magenta Managed LJ Toner Cartridge (ISO Yield 24,000) W9153MC
Product dimensions	**W x d x h:** 23 x 25.4 x 35.8 in; **Maximum:** 66.2 x 47.1 x 48.9 in;
Product weight	~182.3 lb;
Warranty features	90 day parts only warranty. Warranty and support options vary by product, country and local legal requirements. Contact your contractual vendor or go to hp.com/support to learn about HP award winning service and support options in your region.
Energy star certified	Yes
Ecolabels	EPEAT® registered; Blue Angel; IT ECO Declaration
Control panel	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker
Display description	10.1-in (25.65 cm) touchscreen, WXGA Color Graphic Display (CGD)
Software included	No software solutions are included in the Box only on http://hp.com http://123.hp.com
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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, 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), HP Memory Shield™, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs
Compatible operating systems	Windows Client OS (32/64 bit)-, Win10, Win11, Win7 Ultimate, Mobile OS's-, iOS, Android, Apple macOS's-, Apple macOS Catalina v10.15, Apple macOS Big Sur v11.0, Apple macOS Monterey v12.0, (All operating systems with the latest updates)
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Windows Server 2022 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, (All operating systems with the latest updates)
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	**Power supply type:** Internal (Built-in) power supply; **Power requirements:** Input voltage:110 to 127 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 10.0 A 220 to 240 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 5.0 A 100 VAC (+/-10%), 50/60 Hz (+/-3 Hz), (Not dual voltage, power supply varies by part number with # Option code identifier); **Power consumption:** 580 watts (25ppm, printing), 670 watts (30ppm, printing), 720 watts (35ppm, printing), 32.0 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Acoustics	**Acoustic power emissions:** 6.60 Bel(A), printing color simplex A4 at 25ppm; 6.70 Bel(A), printing color simplex A4 at 30ppm; 6.75 Bel(A), printing color simplex A4 at 35ppm; **Acoustic Pressure Emissions (active, printing):** 50 dB(A), printing color simplex A4 at 25ppm; 51 dB(A), printing color simplex A4 at 30ppm; 52 dB(A), printing color simplex A4 at 35ppm; **Acoustic Pressure Emissions (active scan):** 56 dB(A), ADF scan A4 at 90ipm; 58 dB(A), ADF scan A4 at 120ipm; 53 dB(A), ADF scan A4 at 60ipm
Operating environment	**Operating temperature range:** 59 to 86°F ; **Recommended operating temperature:** 59 to 86°F ; **Storage temperature range:** 14 to 104°F ; **Operating humidity range:** 20 to 80% RH; **Recommended humidity operating range:** 20 to 80% RH

Messaging Footnotes

[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 2021 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] Based on HP review of competitive manufacturer's published app platform specifications as of April 2019. Only HP Workpath offers a combination of app validation upon submission plus automated re-validation of apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Subscription may be required.

[3] 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.

[4] HP Web Jetadmin is free and available for download at hp.com/go/webjetadmin

[5] HP Security is now HP Wolf Security. Security features vary by platform, please see product data sheet for details

[6] 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

[7] HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines. EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[8] 100% outer fiber-based packaging and internal fiber-based cushions made from sustainably sourced certified and recycled fibers.

[9] 100% of Original HP Toner Cartridges contain between 1-77% post-consumer or post-industrial recycled content. Does not include toner bottles or other products not listed. See hp.com/go/TonerRecycledContent for list. Hardware based: Post-consumer recycled is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2, and is expressed as percent of total weight of plastic.

[10] HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines. EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[11] HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.

[12] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Technical Specifications Footnotes

[1] Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies.

[2] 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.

[3] 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.

[4] 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.

[5] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

[6] For Scan software, we support: Windows (JPG, RAW(BMP), PDF, TIFF, PNG, RTF) and Mac (JPG, JPG-2000, TIFF, PNG, PDF, Searchable PDF, RTF, TXT)

[7] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printerclaims. Exact speed varies depending on the system configuration and document.

[8] Acoustic values are subject to change. For current information see https://www.hp.com/support

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