

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 printers¹ 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.²
- Centralize control of your printing environment with HP Web Jetadmin—and help build business efficiency.³

Customizable solutions built to last

- 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.⁴
- 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.²
- 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.⁴

Always on guard with HP Wolf Security⁵

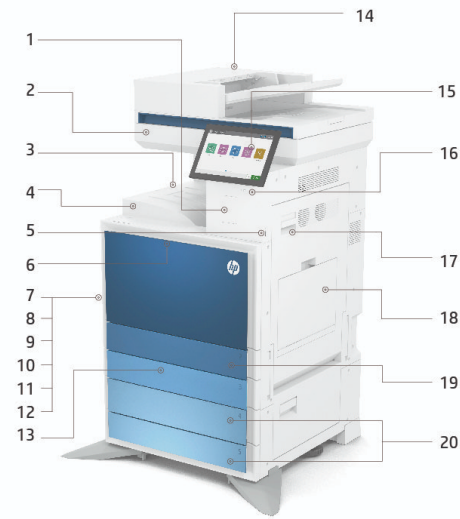
- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Run-time intrusion detection is always on guard. Common Criteria certified⁶ 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.⁷
- Our devices are made with the planet in mind with energy-efficient printing and toner cartridges made from more than 57% recycled plastic.⁸ Printing that puts the planet first.
- Our improved energy efficient designs meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel.⁹
- With formulas that meet current indoor air quality standards, our ultra-low melt toner is efficient for both printing and the planet.¹⁰

Product walkthrough

- 1. Hardware Integration Pocket (for connecting accessories and third-party devices)¹
- 2. Flatbed scanner handles sheets up to A3 (297 x 432 mm)
- 3. 500-sheet output bin
- 4. Automatic two-sided printing
- 5. Easy-access USB port²
- 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
- 14. 200-sheet dual side ADF supports media sizes up to A3
- 15. 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
- 19. 520-sheet tray 2 supports media sizes up to A4
- 20. Optional 2 x 520-sheet dual tray/stand supports media sizes up to A3



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.

Services and Solutions

Service and Support	U03GVE HP 1 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx U03GWE HP 3 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx U03GXE HP 4 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx U03GYE HP 5 year Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx U03H6PE HP 1 year Post Warranty Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx U03H7PE HP 2 year Post Warranty Next Business Day with Defective Media Retention Service for Color LaserJet Managed MFP E786xx U03HZE HP 1 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) U03HZE HP 3 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) U03H4E HP 4 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) U03H5E HP 5 year Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) U03HBPE HP 1 year Post Warranty Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only) U03HCPE HP 2 year Post Warranty Parts Exchange Service for Color LaserJet Managed MFP E786xx (Managed Component Only)
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
Accessories (Optional)	155P7A HP LaserJet InnerFinisher 2/3 Hole Punch 155P8A HP LaserJet InnerFinisher 2/4 Hole Punch 155P9A HP LaserJet Inner Finisher Swedish 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 2MU47A HP Accessibility Assistant 2NR12A HP Removable Hard Drive Enclosure 2TD64A HP Accessibility Kit 3JN69A HP Jetdirect 3100w/BLE/NFC/Wireless Accessory 47B2A HP Printing Voice Assistant 4QL32A HP Legic Secure USB Reader 5QK14A HP MFP B10 Analog Dual Fax 6GW49A HP LaserJet Inner Finisher 6GW51A HP LaserJet Booklet Finisher 6GW52A HP LaserJet Workgroup Job Separator 6GW55A HP LaserJet Stapler/Stacker Finisher 766R7A HP LaserJet 512 GB SED-TAA Full Kit SSD 7Z407A HP MFP B11 Analog Dual Fax 7Z409A HP MFP B01 Analog Single Fax 8FP31A HP Jetdirect LAN Accessory A19F5A HP LaserJet 2x520 sheet Workgroup Paper Tray/Stand A19FVA HP LaserJet 2000 sheet Workgroup High Capacity Paper Tray/Stand A19FXA HP LaserJet Workgroup Stand A74PVAE HP Editable OCR A74PXAHP HP FADGI B5L31A HP Foreign Interface Harness Y1G11A HP LaserJet Hole Punch 2/4 Accessory Y1G12A HP LaserJet Hole Punch Swedish Accessory Y1G13A HP LaserJet Inner/Booklet 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	W9140MC HP W9140MC Black Managed LaserJet Toner Cartridge (Average cartridge yields 14,500 standard pages. Declared yield value in accordance with ISO/IEC 19752.) W9141MC HP W9141MC Cyan Managed LaserJet Toner Cartridge (Average cartridge yields 12,000 standard pages. Declared yield value in accordance with ISO/IEC 19798.) W9142MC HP W9142MC Yellow Managed LaserJet Toner Cartridge (Average cartridge yields 12,000 standard pages. Declared yield value in accordance with ISO/IEC 19798.) W9143MC HP W9143MC Magenta Managed LaserJet Toner Cartridge (Average cartridge yields 12,000 standard pages. Declared yield value in accordance with ISO/IEC 19798.) W9150MC HP W9150MC High Yield Black Managed LaserJet Toner Cartridge (Average cartridge yields 29,000 standard pages. Declared yield value in accordance with ISO/IEC 19752.) W9151MC HP W9151MC High Yield Cyan Managed LaserJet Toner Cartridge (Average cartridge yields 24,000 standard pages. Declared yield value in accordance with ISO/IEC 19798.) W9152MC HP W9152MC High Yield Yellow Managed LaserJet Toner Cartridge (Average cartridge yields 24,000 standard pages. Declared yield value in accordance with ISO/IEC 19798.) W9153MC HP W9153MC High Yield Magenta Managed LaserJet Toner Cartridge (Average cartridge yields 24,000 standard pages. Declared yield value in accordance with ISO/IEC 19798.)

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

Technical specifications

Model	HP Color LaserJet Managed MFP E786dn	
Product number	5QJ90A	
Functions	Print, copy, scan, fax (optional)	
Print speed ^{1,2}	A4 Black	Up to 25 ppm Up to 30 ppm (with 8EP56AAE) Up to 35 ppm (with 8EP57AAE)
	A4 Color	Up to 25 ppm Up to 30 ppm (with 8EP56AAE) Up to 35 ppm (with 8EP57AAE)
	A4 Black Duplex	Up to 18 ipm Up to 22 ipm (with 8EP56AAE) Up to 24 ipm (with 8EP57AAE)
	A4 Color Duplex	Up to 18 ipm Up to 22 ipm (with 8EP56AAE) Up to 24 ipm (with 8EP57AAE)
	A3 Black	Up to 13 ppm Up to 16 ppm (with 8EP56AAE) Up to 18 ppm (with 8EP57AAE)
	First page out A4 Black	As fast as 8.7 sec As fast as 7.5 sec (with 8EP56AAE) As fast as 7.5 sec (with 8EP57AAE)
	First page out A4 Color	As fast as 10.2 sec As fast as 9.0 sec (with 8EP56AAE) As fast as 8.6 sec (with 8EP57AAE)
Print resolution	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; Optical: Fine lines (1200x1200dpi); Normal (600x600dpi); Quick view (300x300dpi)	
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 ³	A4: Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) Duplex; Letter: A4: 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 formats ⁶	JPEG; TIFF; MTIFF; XPS; PDF; PDF/A; High-Compression PDF; High-Compression PDF/A; Searchable PDF (OCR); Searchable PDF/A (OCR); High-Compression Searchable PDF (OCR); High-Compression Searchable PDF/A (OCR); CSV (OCR); HTML (OCR); Open Office XML (.docx, .xlsx, .pptx); RTF (OCR); TEXT (OCR); Unicode TEXT (OCR)	
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 (EXP), HP Workpath applications	
Scan Size	ADF Maximum: 297 x 420 mm; ADF Minimum: 68 x 127 mm; Flatbed: 297 x 432 mm;	
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	Embedded OCR; scan to Onedrive; scan to Onedrive for Business; scan to Sharepoint Online; 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	A4 Black	Up to 25 cpm Up to 30 cpm (with 8EP56AAE) Up to 35 cpm (with 8EP57AAE)
	A4 Color	Up to 25 cpm Up to 30 cpm (with 8EP56AAE) Up to 35 cpm (with 8EP57AAE)
	A4 Black Duplex	Up to 18 cpm Up to 22 cpm (with 8EP56AAE) Up to 24 cpm (with 8EP57AAE)
	A4 Color Duplex	Up to 18 cpm Up to 22 cpm (with 8EP56AAE) Up to 24 cpm (with 8EP57AAE)
	First copy out A4 Black	As fast as 6.3 sec As fast as 5.1 sec (with 8EP56AAE) As fast as 4.3 sec (with 8EP57AAE)
	First copy out A4 Color	As fast as 8.3 sec As fast as 6.9 sec (with 8EP56AAE) As fast as 6.1 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 straighten; Automatically detect color/monochrome	
Fax speed	Up to: 33.6 kbps	
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; 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); Microsoft Universal Print (MUP) support	
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); SSD(766R7A); Optional, HP LaserJet 512 GB SED-TAA Solid State Drive / 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)	A4:	Up to 110,000 pages Up to 130,000 pages (with 8EP56AAE) Up to 150,000 pages (with 8EP57AAE)

Technical specifications

Model	HP Color LaserJet Managed MFP E786dn
Product number	5QJ90A
Recommended monthly page volume	Up to 20,000
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 EcoFICIENT, 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: 60 to 300 g/m²; Tray 2, 3: 60 to 220 g/m²
Media sizes supported	Tray 1: A3, A4, A4R, A5, A5R, A6, RA4, B4 (JIS), B5 (JIS), B6 (JIS), Oficio, 8K, 16k, Postcard, Postcard (JIS), Envelope B5, Envelop C5, Envelope C6, Envelope DL; Tray 2: A4, A4R, A5, Ra4, SRA4, B4 (JIS), B5 (JIS), Oficio, 16k; Tray 3: A3, A4, A4R, A5, RA4, SRA4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k
Media Sizes Custom	Tray 1: 98 x 148 mm to 297 x 432 mm; Tray 2: 139.7 x 210 mm to 297 x 364 mm; Tray 3: 139.7 x 210 mm to 297 x 432 mm
What's in the box	5QJ90A HP Color LaserJet Managed MFP E786dn Printer; In box materials; Guide install; Flyer Regulatory; Power Cords; Label; Drums
Replacement cartridges ⁴	HP Black Managed LaserJet Toner Cartridge (ISO Yield 14,500) W9140MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 12,000) W9141MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 12,000) W9142MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 12,000) W9143MC; HP Black Managed LaserJet Toner Cartridge (ISO Yield 29,000) W9150MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 24,000) W9151MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 24,000) W9152MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 24,000) W9153MC
Product dimensions	W x d x h: 585 x 646 x 908.1 mm; Maximum: 1681 x 1196 x 1241 mm; 66.2 x 47.1 x 48.9 in
Product weight	~82.7kg;
Warranty features	1 Year Parts Only. Extended Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.
Energy star certified	Yes
Ecolabels	IT ECO Declaration; Blue Angel; EPEAT® registered; ENERGY STAR® certified
Control panel	10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker
Display description	25.65 cm (10.1-in) 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 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS
Compatible network operating systems	Windows Server; Linux; Citrix; UNIX; Novell
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: 220 to 240 VAC 50/60 Hz; 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: 15 to 30°C; Recommended operating temperature: 15 to 30°C; Storage temperature range: -10 to 40°C; 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: <https://www.hp.com/go/PrintersThatProtect>. For more information, visit: <https://www.hp.com/go/PrinterSecurityClaims>.

² Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature.

³ HP Web Jetadmin is free and available for download at <https://www.hp.com/go/webjetadmin>

⁴ 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.

⁵ HP Security is now HP Wolf Security. Security features vary by platform. For more information, visit <http://www.hp.com/wolfsecurity>.

³⁶ 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>

⁷ 100% outer fiber-based packaging and internal fiber-based cushions made from sustainably sourced certified and recycled fibers.

⁸ 100% 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 <http://www.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.

⁹ 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.

¹⁰ HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.

¹¹ 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 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.

² 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.

³ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

⁴ Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see <https://www.hp.com/go/learnaboutsupplies>.

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). OCR requires HP FutureSmart 5.8.1.1 or later. Open Office XML and other editable OCR formats require optional HP Editable OCR license.

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](https://www.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>

⁹ OCR requires HP FutureSmart 5.8.1.1 or later. Scan to OneDrive, Scan to Onedrive for Business, and scan to Sharepoint Online requires HP FutureSmart 5.8 or later.

¹⁰ Requires HP FutureSmart 5.8.1.1 or later.