Datasheet

HP Color LaserJet Managed Flow MFP E877z 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

- Experience speed and performance like no other with our fastest ever 300 ipm[2] duplex scan technology.
- Work faster and without interruptions with reverse and retry technology that automatically detects and resolves double feed issues.
- Easily scan and capture text from documents with high accuracy with OCR software, increase productivity with the optional accelerator card.
- Save time by simply scanning once and sending to multiple destinations with customized shortcuts built to eliminate steps and improve accuracy.

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.[3]
- Unleash your creativity and match any office décor with modern designs and the option of five customizable color panels.
- Give your team what they need to succeed with the HP Open Extensibility Platform containing hundreds of HP and third-party solutions as well as card reader support.
- Make color management simple & seamless with our HP Custom Color Manager. Match color output of any document/device combination without the hassle of expensive color matching systems.

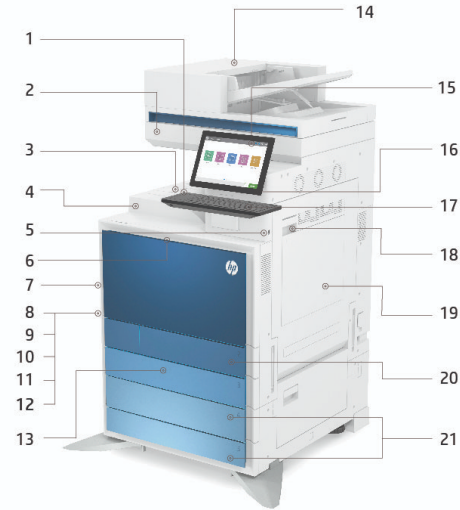## Always on guard with HP Wolf Security[4]

- 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[5] to continually monitor memory activity to keep you safe, detecting and stopping attacks in real time.
- HP Memory Shield™ 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.[6]
- Our devices are made with the planet in mind with energy-efficient printing and toner cartridges made from more than 57% recycled plastic.[7] Printing that puts the planet first.
- Our improved energy efficient designs meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel.[8]
- With formulas that meet current indoor air quality standards, our ultra-low melt toner is efficient for both printing and the planet.[9]

Product walkaround

1. Hardware Integration Pocket (for connecting accessories and third-party devices)[1]
2. Flatbed scanner handles sheets up to A3
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. Hi-Speed USB 3.0 device port
13. 520-sheet tray 3 supports media sizes up to A3
14. 300-sheet dual side ADF supports media sizes up to A3 (Flow models only)[3]
15. 25.6 cm color touchscreen display
16. Power button
17. Full size keyboard
18. Right door access to the print path
19. 100-sheet multipurpose tray 1 supports media sizes up to SRA3
20. 520-sheet tray 3 supports media sizes up to SRA3
21. Optional 2 x 520-sheet dual tray/stand supports media sizes up to SRA3

Series at a glance

Model	HP Color LaserJet Managed Flow MFP E877z			
Product number	5QK08A	5QK08A(Base) + 8EP60AAE (Speed license)	5QK08A(Base) + 8EP61AAE (Speed license)	5QK08A(Base) + 8EP62AAE (Speed license)
Print speed (A4 and letter, black and color)[3]	Up to 40 ppm	Up to 50 ppm	Up to 60 ppm	Up to 70 ppm
Scan speed(A4 and letter, black and color)[4]	150 ppm/300 ipm, simplex/duplex			
Functions	Print, copy, and scan (fax and wireless optional) (all models)			
ADF capacity	300 sheets			
Input capacity	Standard: 1,140 sheets; Maximum: 6,140 sheets (all models)			
Advanced workflow features	HP EveryPage technology, full size keyboard, embedded OCR, reverse and retry, auto orientation, auto-tone, auto page-crop, document editing, auto paper color removal, automatically straighten, job separation			

[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] The E877 series Flow models include a 300-sheet ADF. The E877 series dn models include a 200-sheet ADF. The ADF on all devices can scan documents up to 11 x 17 inches (A3).
[4] 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.
[5] 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 industry leading printing, scanning and copying speeds, maximum uptime – powered by HP's custom designed quadcore processor.
Tailored on-device and cloud connected solutions to help optimize your workflows with flexibility to support your workforce today and evolve to meet your demands for 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; supporting HP's goal for carbon neutrality and a fully sustainable economy.

Services and Solutions

Service and Support	U03HDE HP 1 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx U03HFE HP 3 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx U03HGE HP 4 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx U03HHE HP 5 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx U03HSPE HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx U03HTPE HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx U03HME HP 1 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only) U03HNE HP 3 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only) U03HQE HP 4 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only) U03HRE HP 5 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only) U03HXPE HP 1 year PW Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only) U03HYPE HP 2 year PW Parts Exchange Service for Color LaserJet Managed MFP E877xx (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

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	
190A2A HP Color LaserJet Department Lunar Gray Color Panel	
190A3A HP LaserJet Department Lunar Gray Color Panel	
190A4A HP LaserJet Department 2x520 sheet Paper Tray/Stand Lunar Gray Color Panel	
190A5A HP LaserJet Department High Capacity Paper Tray/Stand Lunar Gray Color Panel	
190A8A HP LaserJet Department Stand Lunar Gray Color Panel	
190B2A HP Color LaserJet Department Comet Red Color Panel	
190B3A HP LaserJet Department Comet Red Color Panel	
190B4A HP LaserJet Department 2x520 sheet Paper Tray/Stand Comet Red Color Panel	
190B5A HP LaserJet Department High Capacity Paper Tray/Stand Comet Red Color Panel	
190B8A HP LaserJet Department Stand Comet Red Color Panel	
190C2A HP Color LaserJet Department Cosmic Green Color Panel	
190C3A HP LaserJet Department Cosmic Green Color Panel	
190C4A HP LaserJet Department 2x520 sheet Paper Tray/Stand Cosmic Green Color Panel	
190C5A HP LaserJet Department High Capacity Paper Tray/Stand Cosmic Green Color Panel	
190C8A HP LaserJet Department Stand Cosmic Green Color Panel	
190D2A HP Color LaserJet Department Constellation Yellow Color Panel	
190D3A HP LaserJet Department Constellation Yellow Color Panel	
190D4A HP LaserJet Department 2x520 sheet Paper Tray/Stand Constellation Yellow Color Panel	
190D5A HP LaserJet Department High Capacity Paper Tray/Stand Constellation Yellow Color Panel	
190D8A HP LaserJet Department Stand Constellation Yellow Color Panel	
190F2A HP Color LaserJet Department Aurora Purple Color Panel	
190F3A HP LaserJet Department Aurora Purple Color Panel	
190F4A HP LaserJet Department 2x520 sheet Paper Tray/Stand Aurora Purple Color Panel	
190F5A HP LaserJet Department High Capacity Paper Tray/Stand Aurora Purple Color Panel	
190F8A HP LaserJet Department Stand Aurora Purple Color Panel	
2NR12A HP Removable Hard Drive Enclosure	
3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory	
478C2A HP Printing Voice Assistant	
4QL32A HP Legic Secure USB Reader	
5QK14A HP MFP 810 Analog Dual Fax	
6GW47A HP LaserJet 2x520 sheet Department Paper Tray/Stand	
6GW49A HP LaserJet Inner Finisher	
6GW50A HP LaserJet Department Job Separator	
6GW51A HP LaserJet Booklet Finisher	
6GW53A HP LaserJet Department Stand	
6GW55A HP LaserJet Stapler/Stacker Finisher	
6GW56A HP LaserJet 3000 sheet Department High Capacity Paper Tray/Stand	
6GW57A HP LaserJet 2000 sheet Department High Capacity Paper Tray/Stand	
6HN30A HP LaserJet Workflow Accelerator Card	
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	
B5L31A HP Foreign Interface Harness	
X3D03A HP USB Universal Card Reader	
Y1G11A HP LaserJet Hole Punch 2/4 Accessory	
Y1G12A HP LaserJet Hole Punch Swedish Accessory	
Y1G13A HP LaserJet Inner/Booklet Staples	
Y1G14A HP LaserJet Stapler/Stacker Finisher Staples	
Y1G22A HP LaserJet Paper Tray Heaters Accessory	
Y7C05A HP HIP2 Keystroke Reader	
Y7C07A HP SIM for HID iClass for HIP2 Reader	

Speed Licenses	
8EP60AAE HP Color LaserJet Managed MFP E877 40 to 50ppm License	
8EP61AAE HP Color LaserJet Managed MFP E877 40 to 60ppm License	
8EP62AAE HP Color LaserJet Managed MFP E877 40 to 70ppm License	
8LB48AAE HP Color LaserJet Managed MFP E877 50 to 60ppm License	
8LB49AAE HP Color LaserJet Managed MFP E877 60 to 70ppm License	
8LB50AAE HP Color LaserJet Managed MFP E877 50 to 70ppm License	

Technical specifications

Functions	Print, copy, scan, fax (optional)				
Print speed[1,2]	**A4 Black**	Up to 40 ppm	Up to 50 ppm (with 8EP60AAE)	Up to 60 ppm (with 8EP61AAE)	Up to 70 ppm (with 8EP62AAE)
	A4 Color	Up to 40 ppm	Up to 50 ppm (with 8EP60AAE)	Up to 60 ppm (with 8EP61AAE)	Up to 70 ppm (with 8EP62AAE)
	First page out A4 Black	As fast as 8.2 sec	As fast as 7.6 sec (with 8EP60AAE)	As fast as 7.2 sec (with 8EP61AAE)	As fast as 7.2 sec (with 8EP62AAE)
	First page out A4 Color	As fast as 9.7 sec	As fast as 8.8 sec (with 8EP60AAE)	As fast as 8.2 sec (with 8EP61AAE)	As fast as 8.0 sec (with 8EP62AAE)
Print resolution	**Black (best):** Up to 1200 x 1200 dpi full speed; **Black (normal):** Up to 600 x 600 dpi; **Black (fine lines):** Up to 1200 x 1200 dpi; **Color (best):** Up to 1200 x 1200 dpi full speed; **Color (normal):** Up to 600 x 600 dpi; **Color (fine lines):** Up to 1200 x 1200 dpi				
Print technology	Laser; **Optical:** Normal (600 x 600 4 bit); Best (1200 x 1200 1 bit)				
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[3]	Up to 150 ppm/300 ipm (b&w), up to 150 ppm/300 ipm (color) **Duplex:** Up to 300 ipm (b&w), up to 300 ipm (color)				
Scan type / Technology	Flatbed, ADF / Platen Scanner CCD Digital-CIS				
Scan resolution	**Hardware:** Up to 600 x 600 dpi; **Optical:** Up to 600 x 600 dpi				
Scan file format	PDF, Hi-Compression PDF, PDF/A, Hi-Compression PDF/A, JPEG, TIFF, MTIFF, XPS, PDF (OCR), Hi-Compression PDF (OCR), PDF/A (OCR), Hi-Compression PDF/A (OCR), TEXT (OCR), Unicode TEXT (OCR), RTF (OCR), HTML (OCR), CSV (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 (OXP), HP Workpath applications				
Scan Size	**ADF Maximum:** 305 x 864 mm; **ADF Minimum:** 68 x 127 mm; **Flatbed:** 297 x 432 mm;				
Scanner advanced features	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				
Duplex ADF scanning	Yes				
ADF capacity	Standard, 300 sheets				
Twain version	Version 2.4				
Bit depth / Grayscale levels	24-bit/256				
Digital sending standard features	Scan to e-mail; save-to-network folder; save-to-USB drive; send to Sharepoint; send to FTP; send to sFTP; send to LAN fax; send to Internet Fax; local address book; SMTP over SSL; auto color sense; compact PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (auto, text, mixed, printed picture, photograph); content orientation; ID scan; job build; watermark; stamps; book mode scans; erase edges; image preview; blank page suppression; scan to multi destination; embedded OCR; auto-tone, auto orientation, auto¬page-crop; multi-feed detection; reverse and retry; document editing; auto paper color removal; job separation; automatically straighten				
Copy speed	**A4 Black**	Up to 40cpm	Up to 50cpm (with 8EP60AAE)	Up to 60cpm (with 8EP61AAE)	Up to 70cpm (with 8EP62AAE)
	A4 Color	Up to 40 cpm	Up to 50 cpm (with 8EP60AAE)	Up to 60 cpm (with 8EP61AAE)	Up to 70 cpm (with 8EP62AAE)
	A4 Black Duplex	Up to 40 cpm	Up to 50 cpm (with 8EP60AAE)	Up to 60 cpm (with 8EP61AAE)	Up to 70 cpm (with 8EP62AAE)
	A4 Color Duplex	Up to 40 cpm	Up to 50 cpm (with 8EP60AAE)	Up to 60 cpm (with 8EP61AAE)	Up to 70 cpm (with 8EP62AAE)
	First copy out A4 Black	As fast as 4.9 sec	As fast as 4.2 sec (with 8EP60AAE)	As fast as 3.8 sec (with 8EP61AAE)	As fast as 3.5 sec (with 8EP62AAE)
	First copy out A4 Color	As fast as 6.5 sec	As fast as 5.6 sec (with 8EP60AAE)	As fast as 4.9 sec (with 8EP61AAE)	As fast as 4.3 sec (with 8EP62AAE)
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	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); optimized text/picture (Auto, text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collation; booklet; ID scan; job build; job storage; watermark; stamps; book mode scans; erase edges; automatically detect color/monochrome; image preview; Image Shift; Paper Selection; collate; Blank Page Suppression; Auto Orientation; Auto Tone; Crop to page; Multi-feed Detection; Reverse and Retry; Document Editing; Auto Paper Color Removal; Job Separation; Automatically Straighten;				
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; 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:** No **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:**6GB; **Maximum:**6GB				
Processor speed	Quad Core (1.6GHz), Dual Core (1.4GHz) / **Storage**: Standard, embedded 500 GB hard disk drive / **Hard disk:** Standard, HP LaserJet 500GB 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 180,000 pages	Up to 200,000 pages (with 8EP60AAE)	Up to 250,000 pages (with 8EP61AAE)	Up to 300,000 pages (with 8EP62AAE)
Recommended monthly page volume	Up to 60,000				

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 50 envelopes; **Input Capacities, Max:** Up to 6,140 sheets; **Output Capacities:** Up to 500 sheets Standard; Up to 100 sheets; **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, HP Glossy 200g, Card-stock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Pre-punched, Colored
Media weight supported	Tray 1, 2, 3: 60 to 325 g/m²
Media sizes supported	**Tray 1**: A3, A4, A4R, A5, A5R, A6, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (JIS), B6 (JIS), 10x15cm, Oficio, 8K, 16k, Postcard (JIS), Postcard (JIS), Envelope B5, Envelope C5, Envelope C6, Envelope DL; **Tray 2**: A4, A4R, A5, A5R, A6, RA4, B4 (JIS), B5 (JIS), B6(JIS), Oficio, 8K, 16k, Envelope B5, Envelop C5, Envelope C6, Envelope DL; **Tray 3**: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k
Media Sizes Custom	Tray 1: 98 x 139.7 to 320 x 457.2 mm; Tray 2: 98 x 139.7 to 241.5 x 297 mm; Tray 3: 140 x 182 to 320 x 457.2 mm
What's in the box	**5QK08A** HP Color LaserJet Managed MFP E877z Printer; In box materials ; Guide install; Flyer Regulatory; Power Cords; Keyboard/Overlay; Label; Drums
Replacement cartridges[4]	HP Black Managed LaserJet Toner Cartridge (ISO Yield 25,000) W9160MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 22,500) W9161MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 22,500) W9162MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 22,500) W9163MC; HP Black Managed LaserJet Toner Cartridge (ISO Yield 50,000) W9170MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 45,000) W9171MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 45,000) W9172MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 45,000) W9173MC
Product dimensions	**W x d x h:** 638.8 x 745.9 x 933.9 mm; **Maximum:** 1656.7 x 1301 x 1503.9 mm;
Product weight	104.6 kg;
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	EPEAT® registered; IT ECO Declaration; Blue Angel
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
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 8; Windows Server; Linux; Citrix; UNIX
Minimum system requirements	**PC:** 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see http://www.microsoft.com; **Mac:** 2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see http://www.apple.com
Power	**Power supply type:** Internal (Built-in) power supply; **Power requirements:** Input voltage: 220 to 240VAC 50/60Hz; **Power consumption:** 820 watts (40ppm, printing), 890 watts (50ppm, printing), 1020 watts (60ppm, printing), 1100 watts (70ppm, printing), 41.5 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Acoustics	**Acoustic power emissions:** 6.70 Bel(A), printing color simplex A4 at 40ppm; 6.75 Bel(A), printing color simplex A4 at 50ppm; 6.85 Bel(A), printing color simplex A4 at 60ppm; 7.00 Bel(A), printing color simplex A4 at 70ppm; **Acoustic Pressure Emissions (active, printing):** 52dB(A), printing color simplex A4 at 40ppm; 53dB(A), printing color simplex A4 at 50ppm; 54dB(A), printing color simplex A4 at 60ppm; 55dB(A), printing color simplex A4 at 70ppm; **Acoustic Pressure Emissions (active scan):** 54dB(A), ADF scan A4 at 90ipm; 59dB(A), ADF scan A4 at 150ipm
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: hp.com/go/PrintersThatProtect. For more information, visit: http://www.hp.com/go/PrinterSecurityClaims .

[2] 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/

[3] 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.

[4] HP Security is now HP Wolf Security. Security features vary by platform. For more information, visit http://www.hp.com/wolfsecurity .

[5] 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 .

[6] 100% outer fiber-based packaging and internal fiber-based cushions made from sustainably sourced certified and recycled fibers.

[7] 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.

[8] HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines.

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

Technical Specifications Footnotes

[1] 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.

[2] 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.

[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 http://www.hp.com/go/learnaboutsupplies.

To learn more, visit

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