

HP LaserJet Managed Flow MFP E731z 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.



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.
- Expand device functionality and performance with upgradeable options through any point in contract.
- Unleash your creativity and match any office décor with modern designs and the option of five customizable color panels.
- 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

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

Always on guard with HP Wolf Security⁵

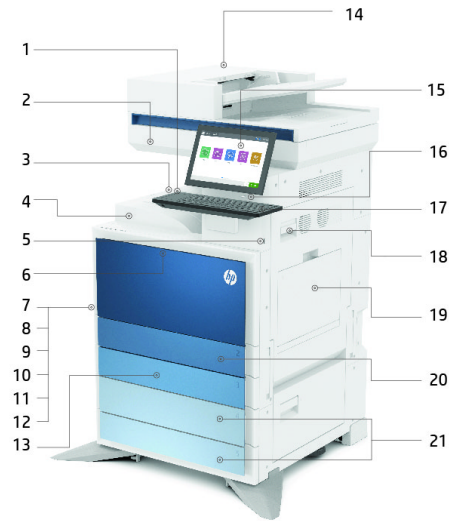
- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- 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 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 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 single pass dual side ADF supports media sizes up to A3
- 15. 25.6 cm (10.1 inch) color touchscreen display
- 16. Power button
- 17. Full size keyboard (Flow models only)
- 18. Right door access to the print path
- 19. 100-sheet multipurpose tray 1 supports media sizes up to A3
- 20. Optional 2 x 520-sheet dual tray/stand supports media sizes up to A3



Series at a glance

Model	HP LaserJet Managed Flow MFP E731z		
Product number	5QK02A	5QK02A (Base) + 8EP58AAE (Speed license)	5QK02A (Base) + 8EP59AAE (Speed license)
Print speed (A4 and letter, black and color) ³	Up to 30 ppm	Up to 35 ppm	Up to 40 ppm
Scan speed(A4 and letter, black and color) ⁴	120 ppm/240 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	HP EveryPage technology, ⁷ full size keyboard, embedded OCR, auto orientation, auto-tone, auto page-crop, document editing, auto paper color removal, 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 An administrator must enable the easy-access USB port before use.
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.
⁷ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

Top features

Optimize your workflows and help increase productivity with upgradeable hardware options and scalable solutions to support your workforce for today and tomorrow. Get more done faster with printing, scanning and copying speeds, maximum uptime – powered by HP’s custom designed quad-core processor. 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	<p>U04NVE HP 1 year Next Business Day with Defective Media Retention Service for LaserJet Managed MFP E731xx</p> <p>U04NZE HP 3 year Next Business Day with Defective Media Retention Service for LaserJet Managed MFP E731xx</p> <p>U04P0E HP 4 year Next Business Day with Defective Media Retention Service for LaserJet Managed MFP E731xx</p> <p>U04P1E HP 5 year Next Business Day with Defective Media Retention Service for LaserJet Managed MFP E731xx</p> <p>U04PWPE HP 1 year Post Warranty Next Business Day with Defective Media Retention Service for LaserJet Managed MFP E731xx</p> <p>U04PXPPE HP 2 year Post Warranty Next Business Day with Defective Media Retention Service for LaserJet Managed MFP E731xx</p> <p>U04PRE HP 1 year Parts Exchange Service for LaserJet Managed MFP E731xx (Managed Component Only)</p> <p>U04PSE HP 3 year Parts Exchange Service for LaserJet Managed MFP E731xx (Managed Component Only)</p> <p>U04PTE HP 4 year Parts Exchange Service for LaserJet Managed MFP E731xx (Managed Component Only)</p> <p>U04PVE HP 5 year Parts Exchange Service for LaserJet Managed MFP E731xx (Managed Component Only)</p> <p>U04Q0PE HP 1 year Post Warranty Parts Exchange Service for LaserJet Managed MFP E731xx (Managed Component Only)</p> <p>U04Q1PE HP 2 year Post Warranty Parts Exchange Service for LaserJet Managed MFP E731xx (Managed Component Only)</p>
Solutions	<p>Security: HP Access Control; HP Security Manager; HP Advance; HP Secure Print and Insights</p> <p>Mobile and universal print: HP Universal Print Driver (UPD); HP Print for Chrome Extension; HP Smart UPD; HP For Universal Print Workpath App</p> <p>Management: HP Web JetAdmin; HP Smart Device Services (SDS); Embedded Web Server; HP Command Center; HP Smart Printer Administrator’s Resource Kit</p>

Accessories	<p> 155P7A HP LaserJet InnerFinisher 2/3 Hole Punch 155P8A HP LaserJet InnerFinisher 2/4 Hole Punch 155P9A HP LaserJet Inner Finisher Swedish Hole Punch 190A1A HP 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 190B1A HP 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 190C1A HP 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 190D1A HP 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 190F1A HP 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 5QL14A 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 6GW58A HP LaserJet Spacer Accessory 6HN30A HP LaserJet Workflow Accelerator Card 766R7A HP LaserJet 512 GB SED-TAA Full Kit SSD 7ZA07A HP MFP 811 Analog Dual 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 Y1G23A HP LaserJet Second Exit Accessory Y7C05A HP HIP2 Keystroke Reader Y7C07A HP SIM for HID iClass for HIP2 Reader </p>
Speed Licenses	<p> 8EP58AAE HP LaserJet Managed MFP E731 30 to 35ppm License 8EP59AAE HP LaserJet Managed MFP E731 30 to 40ppm License 8LB47AAE HP LaserJet Managed MFP E731 35 to 40ppm License </p>
Supplies	<p> W9064MC HP W9064MC Black Managed LaserJet Toner Cartridge (Average cartridge yields 24,000 standard pages. Declared yield value in accordance with ISP/IEC 19752.) W9065MC HP W9065MC High Yield Black Managed LaserJet Toner Cartridge (Average cartridge yields 48,000 standard pages. Declared yield value in accordance with ISP/IEC 19752.) </p>

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

Technical specifications

Functions	Print, copy, scan, fax (optional)			
Print speed ^{1,2}	A4 Black	Up to 30 ppm	Up to 35 ppm (with 8EP58AAE)	Up to 40 ppm (with 8EP59AAE)
	A4 Black Duplex	Up to 20 ipm	Up to 23 ipm (with 8EP58AAE)	Up to 25 ipm (with 8EP59AAE)
	A3 Black	Up to 15 ppm	Up to 19 ppm (with 8EP58AAE)	Up to 22 ppm (with 8EP59AAE)
	First page out A4 Black	As fast as 7.6 sec	As fast as 6.7 sec (with 8EP58AAE)	As fast as 6.5 sec (with 8EP59AAE)
Print resolution##prntresftntnbnr##	Black (normal): Up to 600 x 600 dpi; Black (fine lines): Up to 1200 x 1200 dpi reduced speed			
Print technology	Laser; Optical: Fine lines (1200 x 1200 dpi); Normal (600 x 600 dpi); Quick view (300 x 300 dpi)			
Print cartridges number	1 (black)			
Standard print languages	HP PCL 5e, 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 120 ppm/240 ipm (b&w), up to 120 ppm/240 ipm (color) Duplex: Up to 240 ipm (b&w), up to 240 ipm (color)			
Scan type / Technology	ADF; Flatbed / Charge Coupled Device (CCD) Flatbed; Contact Image Sensor (CIS) ADF			
Scan resolution	Hardware: Up to 600 x 600 dpi; Optical: Up to 600 x 600 dpi			
Scan file formats	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); 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: 297 x 420 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; document editing; auto paper color removal; job separation (blank page, barcode); watermark; stamps			
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 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; document editing; auto paper color removal; job separation; automatically straighten; scan to Onedrive; scan to Onedrive for Business; scan to Sharepoint Online			
Copy speed ⁷	A4 Black	Up to 30 cpm	Up to 35 cpm (with 8EP58AAE)	Up to 40 cpm (with 8EP59AAE)
	A4 Black Duplex	Up to 20 cpm	Up to 23 cpm (with 8EP58AAE)	Up to 25 cpm (with 8EP59AAE)
	First copy out A4 Black	As fast as 5.0 sec	As fast as 4.6 sec (with 8EP58AAE)	As fast as 4.0 sec (with 8EP59AAE)
Copy resolution	Black (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; Crop; Edge Erase; ID Scan; Image adjustment; Job build; Job storage; N or Z-ordering; N-up; Scalability; Text/Photo; Two-sided copy; Watermark; Scan mode (book, 2-sided ID); Stamps; Image shift; Image preview; Paper selection; Blank page suppression; Automatically straighten; Automatically detect color/monochrome; Auto tone; Multi-feed detection; Document editing; Auto paper color removal; Job separation			
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:6GB; Maximum:6GB			
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 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 110,000 pages	Up to 130,000 pages (with 8EP58AAE)	Up to 150,000 pages (with 8EP59AAE)
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			

Technical specifications

Media types supported	Plain, HP EcoEFFICIENT, 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, Mono 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 (UIS), B5 (UIS), B6 (UIS), Oficio, 8K, 16k, Postcard, Postcard (UIS), Envelope B5, Envelop C5, Envelope C6, Envelope DL; Tray 2: A4, A4R, A5, Ra4, SRA4, B4 (UIS), B5 (UIS), Oficio, 16k; Tray 3: A3, A4, A4R, A5, RA4, SRA4, B4 (UIS), B5 (UIS), 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	50K02A HP LaserJet Managed Flow MFP E731z Printer; In box materials; W9064MS HP LaserJet Black Starter Toner Cartridge (ISO Yield 6,000); Guide install; Flyer Regulatory; Power Cords; Keyboard/Overlay; Label; Drums
Replacement cartridges ¹	HP Black Managed LaserJet Toner Cartridge (ISO Yield 24,000) W9064MC; HP Black Managed LaserJer Toner Cartridge (ISO Yield 48,000) W9065MC
Product dimensions	W x d x h: 640.8 x 725.5 x 858.1 mm; Maximum: 1681 x 1196 x 1191 mm;
Product weight	64.4 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	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 Client OS; Android; iOS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS
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: 220 to 240VAC 50/60Hz; Power consumption: 560 watts (30ppm, printing), 620 watts (35ppm, printing), 650 watts (40ppm, printing), 35.0 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Acoustics	Acoustic power emissions: 6.65 Bel(A), printing simplex A4 at 30ppm; 6.70 Bel(A), printing simplex A4 at 35ppm; 6.75 Bel(A), printing simplex A4 at 40ppm; Acoustic Pressure Emissions (active, printing): 51 dB(A), printing simplex A4 at 30ppm; 52 dB(A), printing simplex A4 at 35ppm; 52.5 dB(A), printing simplex A4 at 40ppm; 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 2019 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 <http://www.hp.com/go/PrintersThatProtect>. For more information, visit <http://www.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 <http://www.hp.com/go/webjetadmin>.

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

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>

⁷ 100% 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 <https://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 <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 19752. Actual yield varies considerably based on content of printed pages and other factors. For details see <http://www.hp.com/go/learnaboutsplies>.

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>

⁹ 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.

To learn more, visit

