Datasheet | WW

HP Color LaserJet Managed MFP E877 Core 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[2] 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.[8]

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.
- Get time back with industry leading print speeds up to 70ppm.[6]
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons on 8 or 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.[1]

Always on guard with HP Wolf Security.[4]

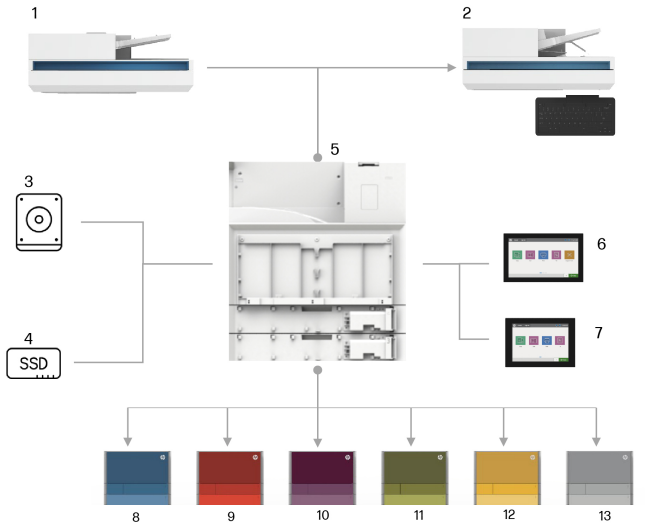
- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Run-time intrusion detection is always on guard. Common Criteria certified[3] 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.[9]
- Our devices are made with the planet in mind with energy-efficient printing and toner cartridges made from more than 57% recycled plastic.[10] Printing that puts the planet first.
- Our improved energy efficient designs meet the rigorous criteria of EPEAT Silver, Energy Star, and Blue Angel.[11]
- With formulas that meet current indoor air quality standards, our ultra-low melt toner is efficient for both printing and the planet.[12]

Series at a glance

1. HP Laserjet 180ipm 200 sheet DADF high speed Scanner (5QK38A)
2. HP LaserJet 300ipm 300 sheet Flow DADF high speed Scanner (5QK39A)
3. HP LaserJet 500GB SED Hard Disk Drive (5QK45A)
4. HP LaserJet 256GB SED Solid State Drive (733M6A)
5. HP Color LaserJet Managed MFP E877 Core Printer (5QK20A)
6. HP LaserJet 10.1 in (25.6cm) Touchscreen (5QK42A)
7. HP LaserJet 8.0 in (20.3cm) Touchscreen (5QK41A)
8. HP LaserJet Atmosphere Blue Color Panel (7G7Z6A)
9. HP LaserJet Comet Red Color Panel (190B2A)
10. HP LaserJet Aurora Purple Color Panel (190F2A)
11. HP LaserJet Cosmic Green Color Panel (190C2A)
12. HP LaserJet Constellation Yellow Color Panel (190D2A)
13. HP LaserJet Lunar Gray Color Panel (190A2A)



Model	HP Color LaserJet Managed MFP E877 Core Printer			
Product number	Engine(5QK20A) Scanner(5QK38A) Control panel(5QK41A) Storage(5QK45A) or SSD (733M6A)	Engine(5QK20A) Scanner(5QK38A) Control panel(5QK42A) Storage(5QK45A) or SSD (733M6A)	Engine(5QK20A) Scanner(5QK39A) Control panel(5QK41A) Storage(5QK45A) or SSD (733M6A)	Engine(5QK20A) Scanner(5QK39A) Control panel(5QK42A) Storage(5QK45A) or SSD (733M6A)
Function	Print, copy and scan (fax and wireless optional)			
Control panel	8-in (20.3 cm) touchscreen	10.1-in (25.65 cm) touchscreen	8-in (20.3 cm) touchscreen	10.1-in (25.65 cm) touchscreen
Mass Storage	500GB Hard Disk Drive, or 256GB Solid State Drive			
Scan speed	90/180 ipm (simple/duplex)	90/180 ipm (simple/duplex)	150/300 ipm (simple/duplex)	150/300 ipm (simple/duplex)
ADF capacity	200 sheets	200 sheets	300 sheets	300 sheets
Advanced workflow features	N/A	N/A	Auto Orientation, auto tone, auto page-crop, multifeed detection, reverse and retry, document editing, auto paper color removal, job separation, automatically straighten, Embedded OCR	Auto Orientation, auto tone, auto page-crop, multifeed detection, reverse and retry, document editing, auto paper color removal, job separation, automatically straighten, Embedded OCR

*** To build the Flex Build unit, the Color Panel must be selected. The same color panel should also be selected for the paper input accessory.**

Scanner	**5QK38A** HP Laserjet 180ipm 200 sheet DADF high speed Scanner **5QK39A** HP LaserJet 300ipm 300 sheet Flow DADF high speed Scanner (Keyboard included)
Color panel for core engine & ISA unit	**5QK41A** HP LaserJet 8.0 in (20.3cm) Touchscreen **5QK42A** HP LaserJet 10.1 in (25.6cm) Touchscreen
Mass Storage	**5QK45A** HP LaserJet 500GB SED Hard Disk Drive **733M6A** HP LaserJet 256GB SED Solid State Drive
Paper input accessory without panel	**7G7Z3A** HP LaserJet 2x520sh Dept PaperTray/Stand-No color panel **7G7Z4A** HP LaserJet Department Stand-No color panel **7G7Z5A** HP LaserJet 2000 sheet Department High Capacity Paper Tray/Stand-No color panel
Color panel for engine	**7G7Z6A** HP Color LaserJet Department Atmosphere Blue Color Panel **190A2A** HP Color LaserJet Department Lunar Gray Color Panel **190D2A** HP Color LaserJet Department Constellation Yellow Color Panel **190F2A** HP Color LaserJet Department Aurora Purple Color Panel **190C2A** HP Color LaserJet Department Cosmic Green Color Panel **190B2A** HP Color LaserJet Department Comet Red Color Panel
Color panel for high capacity paper tray	**7G7Z9A** HP LaserJet Department High Capacity Paper Tray/Stand Atmosphere Blue Color Panel **190A5A** HP LaserJet Department High Capacity Paper Tray/Stand Lunar Gray Color Panel **190D5A** HP LaserJet Department High Capacity Paper Tray/Stand Constellation Yellow Color Panel **190F5A** HP LaserJet Department High Capacity Paper Tray/Stand Aurora Purple Color Panel **190C5A** HP LaserJet Department High Capacity Paper Tray/Stand Cosmic Green Color Panel **190B5A** HP LaserJet Department High Capacity Paper Tray/Stand Comet Red Color Panel
Color panel for 2x520sh paper tray	**7G7Z8A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Atmosphere Blue Color Panel **190A4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Lunar Gray Color Panel **190D4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Constellation Yellow Color Panel **190F4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Aurora Purple Color Panel **190C4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Cosmic Green Color Panel **190B4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Comet Red Color Panel
Color panel for stand	**7G800A** HP LaserJet Department Stand Atmosphere Blue Color Panel **190A8A** HP LaserJet Department Stand Lunar Gray Color Panel **190D8A** HP LaserJet Department Stand Constellation Yellow Color Panel **190F8A** HP LaserJet Department Stand Aurora Purple Color Panel **190C8A** HP LaserJet Department Stand Cosmic Green Color Panel **190B8A** HP LaserJet Department Stand Comet Red Color Panel
Accessory	Same as E877 (Check E877 datasheet for more details)
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
Supplies	**W9160MC** HP W9160MC Black Managed LaserJet Toner Cartridge (Average cartridge yields 25,000 standard pages. Declared yield value in accordance with ISP/IEC 19752.) **W9161MC** HP W9161MC Cyan Managed LaserJet Toner Cartridge (22,500 standard pages in accordance with ISP/IEC 19798) **W9162MC** HP W9162MC Yellow Managed LaserJet Toner Cartridge (22,500 standard pages in accordance with ISP/IEC 19798) **W9163MC** HP W9163MC Magenta Managed LaserJet Toner Cartridge (22,500 standard pages in accordance with ISP/IEC 19798)
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 **U03HJE** HP 3 year 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E877xx **U03HKE** HP 4 year 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E877xx **U03HLE** HP 5 year 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E877xx **U03HME** HP 1 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E877xx (Managed Component Only) **U03HNE** HP 3 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E877xx (Managed Component Only) **U03HQE** HP 4 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E877xx (Managed Component Only) **U03HRE** HP 5 year Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E877xx (Managed Component Only) **U03HSPE** HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx **U03HTPE** HP 2 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx **U03HVPE** HP 1 year Post Warranty 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E877xx **U03HWPE** HP 2 year Post Warranty 4 hour 9x5 with DMR Service for Color LaserJet Managed MFP E877xx **U03HXPE** HP 1 year PW Parts Exchange w/DMR SVC for Color LaserJet Managed MFP E877xx (Managed Component Only) **U03HYPE** HP 2 year PW Parts Exchange w/DMR SVC 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

Technical specifications

Functions	Print, copy, scan, fax (optional)				
Print speed[2,4]	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 6.6 sec	As fast as 6.1 sec (with 8EP60AAE)	As fast as 5.7 sec (with 8EP61AAE)	As fast as 5.7 sec (with 8EP62AAE)
	First page out A4 Color	As fast as 7.7 sec	As fast as 7.0 sec (with 8EP60AAE)	As fast as 6.5 sec (with 8EP61AAE)	As fast as 6.4 sec (with 8EP62AAE)
Print resolution	**Black (normal):** Up to 600 x 600 dpi; **Black (fine lines):** Up to 1200 x 1200 dpi; **Color (normal):** Up to 600 x 600 dpi; **Color (fine lines):** Up to 1200 x 1200 dpi				
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 Normal[5]	5QK38A: Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color); 5QK39A : Up to 150 ppm/300 ipm (b&w), up to 150 ppm/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	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 (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	(Flow model only) 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, single pass duplex scanning				
ADF capacity	Standard, 200 sheets or 300 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; (Flow model only) 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				
Copy speed[3]	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 4.3 sec	As fast as 3.6 sec (with 8EP60AAE)	As fast as 3.2 sec (with 8EP61AAE)	As fast as 2.9 sec (with 8EP62AAE)
	First copy out A4 Color	As fast as 5.7 sec	As fast as 4.8 sec (with 8EP60AAE)	As fast as 4.2 sec (with 8EP61AAE)	As fast as 3.7 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; automatically detect color/monochrome; reduce/enlarge; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collate; booklet; scan mode (book, 2-sided ID); watermark; stamps; image overlay; erase edges; job build; image preview; image shift; paper selection; blank page suppression; automatically straighten; scan to job storage; (Flow model only) optimized text/picture (auto); automatic tone; multi-feed detection; document editing; auto paper color removal				
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); 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				
Hard disk:	Optional, HP LaserJet 500GB SED Hard Disk Drive or 256GB Solid State Drive.				
Duty cycle (monthly)	Letter:	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)
	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 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, 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, A6, 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	**5QK20A** In box materials ; Guide install, Flyer Regulatory, Power Cords, Label, Drums.
Replacement cartridges[1]	HP Black Managed LJ Toner Cartridge (ISO Yield 25,000) W9160MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 22,500) W9161MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 22,500) W9162MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 22,500) W9163MC, HP Black Managed LJ Toner Cartridge (ISO Yield 50,000) W9170MC, HP Cyan Managed LJ Toner Cartridge (ISO Yield 45,000) W9171MC, HP Yellow Managed LJ Toner Cartridge (ISO Yield 45,000) W9172MC, HP Magenta Managed LJ Toner Cartridge (ISO Yield 45,000) W9173MC
Product dimensions	**W x d x h:** 585 x 694.7 x 907.7 mm - 638.8 x 745.9 x 933.9 mm **Maximum:** 1656.7 x 1269 x 1488.5 mm - 1656.7 x 1301 x 1503.9 mm
Product weight[8]	99.8 kg - 104.6 kg
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	IT ECO Declaration; Blue Angel; EPEAT® registered; ENERGY STAR® certified
Control panel	5QK41A: 8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker, 5QK42A: 10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker
Display description	5QK41A: 8-in (20.3 cm) touchscreen, XGA Color Graphic Display (CGD), 5QK42A: 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 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; Linux; Citrix; 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: 110 to 127 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 12.0 A 220 to 240 VAC (+/-10%), 50/60 Hz (+/-3 Hz), 7.0 A 100 VAC (+/-10%), 50/60 Hz (+/-3 Hz), (Not dual voltage, power supply varies by part number with # Option code identifier); **Power consumption:** 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] 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.
[2] 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
[3] 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
[4] HP Security is now HP Wolf Security. Security features vary by platform, please see product data sheet for details.
[5] HP Web Jetadmin is free and available for download at hp.com/go/webjetadmin
[6] 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.
[7] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[8] 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.
[9] 100% outer fiber-based packaging and internal fiber-based cushions made from sustainably sourced certified and recycled fibers.
[10] 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.
[11] 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.
[12] HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.

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] Based on HP internal evaluation measuring the time beginning from scan start to print page exit. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Additionally, for information of First Copy Out measured using ISO/IEC 29183, see http://www.hp.com/go/printerclaims.
[4] Based on HP internal evaluation measuring the time from print initiation to page exit. Exact speed varies depending on the system configuration, software application, driver, and document complexity. Additionally, for information of First Page Out measured using ISO/IEC 17629, see hp.com/go/printer claims.
[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). OCR requires HP FutureSmart 5.8.1.1 or later. Requires optional HP Editable OCR License.
[7] 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.
[8] Dimension and weight vary by Flex Build configuration
[9] Requires HP FutureSmart 5.8.1.1 or later.
[10] Acoustic values are subject to change. For current information see http://www.hp.com/support

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