

# HP LaserJet Enterprise 8501 Printer series



The ultimate workflow experience—HP's most advanced tech for easy management.<sup>1</sup>

Boost office productivity with fast print speeds and effortless management.



## Rely on exceptional performance

- Stay productive and always ready for what's next with upgradeable HP FutureSmart features.<sup>2</sup>
- Save valuable time. High-quality prints are delivered quickly—with speeds up to 70 ppm.<sup>3</sup>

## Secure what matters<sup>1</sup>

- Your work is secure with HP Wolf Security<sup>4</sup>, silently detecting and repairing your printer from cyber attacks.
- Protect your network with the world's first quantum-resistant business printers.<sup>4</sup>
- Protect data stored on your device with the embedded HP Trusted Platform Module.<sup>5</sup> Passwords, keys, and more.

## Simplify print management

- Receive an easy-to-install printer at your office. No third-party technician needed.
- Easily maintain on your own—or get assistance from HP Services when you need it.
- Simplify management with long-lasting consumables and parts that minimize intervention.

## Reduce your impact with sustainably designed tech

- Our energy efficient designs meet the rigorous criteria of EPEAT Gold, Energy Star and Blue Angel.<sup>6</sup>
- With HP Planet Partners, we offer a convenient way to recycle HP supplies after their use.<sup>7</sup>
- With every page you print, HP invests in helping to protect, manage, and restore forests.<sup>8</sup>

<sup>1</sup> The HP LaserJet Enterprise 8801/8601/8501 printer series is the top-tier model in our HP Enterprise portfolio, featuring the highest print and scan speeds, along with advanced printing solutions for easy print management.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> HP Security is now HP Wolf Security. Security features vary by platform, please see product data sheet for details. HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above.

<sup>5</sup> Claim based on HP review of 2024 published features of competitive in-class printers. Only HP offers multiple security features that 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](http://hp.com/go/PrintersThatProtect). For more information, visit: [hp.com/go/PrinterSecurityClaims](http://hp.com/go/PrinterSecurityClaims). HP Security Manager must be purchased separately. To learn more, please visit [hp.com/go/securitymanager](http://hp.com/go/securitymanager).

<sup>6</sup> Post Quantum Cryptography (PQC): Based on HP's internal analysis of business Printers with preinstalled encryption, authentication, malware protection, and BIOS-level protection with automatic self-healing recovery finding that no other in-class Printers implement a quantum-resistant cryptographic scheme to protect the integrity of the BIOS as of 2025. PQC will be available in Fall'25 with Firmware 25.9.2.2+.

<sup>7</sup> Use of the HP Trusted Platform Module may require a firmware upgrade.

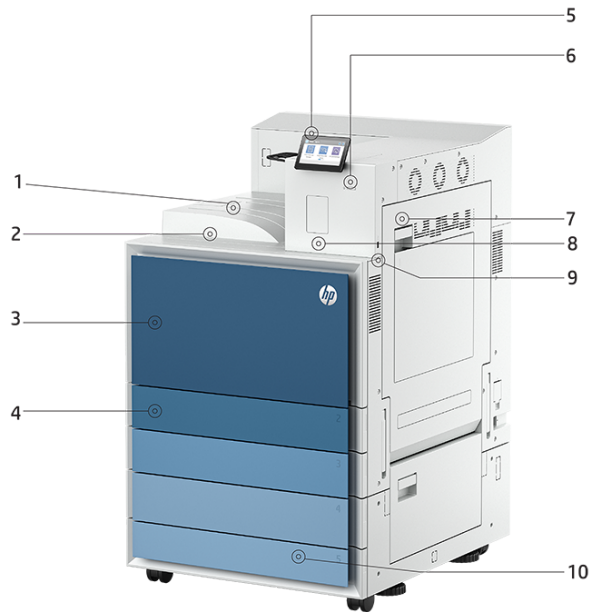
<sup>8</sup> HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines. Based on US, Canada, India, and Australia EPEAT® registration according to IEEE 1680.1-2018 EPEAT®, EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks. HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.

<sup>7</sup> Program availability varies. For more information, visit [hp.com/hprecycle](http://hp.com/hprecycle).

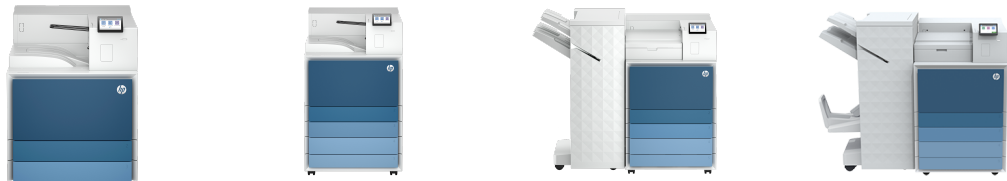
<sup>8</sup> HP works collaboratively with our partners including WWF and Conservation International to manage, restore, and protect forests in many countries around the world. With HP, every print—regardless of paper brand—is addressed through HP's Forest Positive Framework to counteract risks of deforestation. To learn more visit [hp.com/forestfirst](http://hp.com/forestfirst).

Product walkaround

- 1. 500-sheet output bin
- 2. 70 ppm
- 3. Automatic, 2-sided printing
- 4. HP Wolf Enterprise Security
- 5. 4.3-inch Color touchscreen
- 6. Power button
- 7. Right door access to the print path
- 8. Hardware Integration Pocket
- 9. Easy access USB port
- 10. 2,180-sheet input



Series at a glance



Model	HP LaserJet Enterprise 8501 dn	HP LaserJet Enterprise 8501x	HP LaserJet Enterprise 8501x+	HP LaserJet Enterprise 8501xb+
Product number	9S187A	AJ7J3A	AQ1E4A <sup>1</sup>	BD5H0A <sup>2</sup>
Print speed	70 ppm			
Input capacity	1,140 sheets	2,180 sheets		
Recommended Monthly Page Volume	60,000			
Control Panel	4.3-inch Color touchscreen			
Finisher	N/A		Stapler/Stacker Finisher included	Booklet Finisher included

<sup>1</sup> x+ SKU will be available fall 2025  
<sup>2</sup> xb+ SKU will be available early 2026

## HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. HP Care Pack Services provide a comprehensive suite of protection services designed to keep HP hardware and software up and running so employees can stay productive.

For carepack availability visit: [hp.com/go/cpc](https://hp.com/go/cpc)



## Top features

Be more productive with fast print speeds and HP's latest, easy-to-use features.

Rest assured with HP Wolf Security, the world's most secure printers<sup>4</sup> that protect, detect and self-recover.

A no-stress solution: effortless to buy, set up and manage.

Reduce your environmental impact before, during, and after use.

### Accessories

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
8FP31A	HP Jetdirect LAN Accessory
9R1U0A	HP JetDirect 3200w Wifi 6 Bluetooth Wireless Accessory
B5L31A	HP Foreign Interface Harness
CC543B	HP SmartCard NIPRNet Solution for US Government
F8B30A	HP SmartCard SIPRNet Solution for US Government
X3D03A	HP USB Universal Card Reader
Y1G14A	HP LaserJet Stapler/Stacker Finisher Staples
Y7C05A	HP HIP2 Keystroke Reader

### Supplies

9U1Q5A	HP LaserJet Toner Collection Unit (~300,000) pageS
W1760A	HP 176A Black Original LaserJet Toner Cartridge (~45,000) pages
W1766A	HP 176A LaserJet Black Original Imaging Drum (~600,000) pages

### Solutions

**Security:** HP Access Control; HP Security Manager; HP Advance; HP Secure Print and Insights

**Mobile and universal print:** HP Universal Print Driver (UPD)

**Management:** Embedded Web Server

### Services

UF8K1E	- HP 3 year Next Business Day Onsite with DMR Service for LaserJet Enterprise 8501
UF8K2E	- HP 4 year Next Business Day Onsite with DMR Service for LaserJet Enterprise 8501
UF8K3E	- HP 5 year Next Business Day Onsite with DMR Service for LaserJet Enterprise 8501
UF8K4PE	- HP 1 year Post Warranty Next Business Day Onsite with DMR Service for LaserJet Enterprise 8501
UJ1G2E	- HP 3 year NBD Onsite with Preferred Access and DMR Service for LaserJet Enterprise 8501
UJ1G3E	- HP 4 year NBD Onsite with Preferred Access and DMR Service for LaserJet Enterprise 8501
UJ1G4E	- HP 5 year NBD Onsite with Preferred Access and DMR Service for LaserJet Enterprise 8501
UJ1G5PE	- HP 1 year Post Warranty NBD Onsite with Preferred Access and DMR Service for LaserJet Ent 8501
UF8K9E	- HP 3 year 4 hour Onsite with DMR Service for LaserJet Enterprise 8501
UF8L0E	- HP 4 year 4 hour Onsite with DMR Service for LaserJet Enterprise 8501
UF8L1E	- HP 5 year 4 hour Onsite with DMR Service for LaserJet Enterprise 8501
UF8L2PE	- HP 1 year Post Warranty 4 hour Onsite with DMR Service for LaserJet Enterprise 8501
UJ1G6E	- HP 3 year 4 hour Onsite with Preferred Access and DMR Service for LaserJet Enterprise 8501
UJ1G7E	- HP 4 year 4 hour Onsite with Preferred Access and DMR Service for LaserJet Enterprise 8501
UJ1G8E	- HP 5 year 4 hour Onsite with Preferred Access and DMR Service for LaserJet Enterprise 8501
UJ1G9PE	- HP 1 year Post Warranty 4 hour Onsite with Preferred Access and DMR Service for LaserJet Ent 8501
UF8K5E	- HP 3 year Parts Exchange with DMR Service for LaserJet Enterprise 8501
UF8K6E	- HP 4 year Parts Exchange with DMR Service for LaserJet Enterprise 8501
UF8K7E	- HP 5 year Parts Exchange with DMR Service for LaserJet Enterprise 8501
UF8K8PE	- HP 1 year Post Warranty Parts Exchange with DMR Service for LaserJet Enterprise 8501
U9JT3E	- HP Installation Service with network configuration for Department Printer (1 unit)
UF8L4E	- HP Maintenance Kit Replacement Service for LaserJet Enterprise 8501 Fuser Kit 110v
UF8L5E	- HP Maintenance Kit Replacement Service for LaserJet Enterprise 8501 Fuser Kit 220v

<sup>4</sup> HP Security is now HP Wolf Security. Security features vary by platform, please see product data sheet for details. 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 2024 published features of competitive in-class printers. Only HP offers multiple security features that 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](https://hp.com/go/PrintersThatProtect). For more information, visit: [hp.com/go/PrinterSecurityClaims](https://hp.com/go/PrinterSecurityClaims). HP Security Manager must be purchased separately. To learn more, please visit [hp.com/go/securitymanager](https://hp.com/go/securitymanager). Post Quantum Cryptography: Based on HP's internal analysis of business Printers with preinstalled encryption, authentication, malware protection, and BIOS-level protection with automatic self-healing recovery finding that no other in-class Printers implement a quantum-resistant cryptographic scheme to protect the integrity of the BIOS as of 2025.

Data sheet | HP LaserJet Enterprise 8501 Printer series

HP LaserJet Enterprise 8501 Printer series

Model	HP LaserJet Enterprise 8501dn		HP LaserJet Enterprise 8501x	HP LaserJet Enterprise 8501x+	HP LaserJet Enterprise 8501xb+
Product number	95187A		AJ7J3A	AQ1E4A <sup>1</sup>	BD5H0A <sup>2</sup>
AIO functions	Print				
Print					
Print speed <sup>4,3</sup>	First page out Letter: As fast as 5.9 sec Black; First page out A4: As fast as 5.9 sec Black; Letter: Up to 70 ppm Black; A4: Up to 70 ppm Black; 2-sided Letter: Up to 70 ipm Black; 2-sided A4: Up to 70 ipm Black				
Print resolution	Black (normal) Up to 600 x 600 dpi; Black (fine lines) Up to 1,200 x 1,200 dpi				
Print technology	Laser; <b>Print resolution technology:</b> 1,200 x 1,200 dpi (Fine lines); 600 x 600 dpi (Normal); 300 x 300 dpi (Quick view)				
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				
Printer management	HP Web JetAdmin Software, HP Security Manager, HP SNMP Proxy Agent (Part of HP WebJetAdmin), HP WS Pro Proxy Agent (Part of HP WebJetAdmin), Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration, Utility - Driver, Deployment Utility - Managed Printing Administrator)				
Connectivity					
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; PrinterOn Print				
Memory	Standard: 6 GB; Maximum: 6 GB				
Processor speed	1.6 GHz (Quad Core), 1.4 GHz (Dual Core)				
Storage	Standard: 256 GB SSD / <b>Hard disk:</b> FIPS/CCC 500GB HDD as standard for 201/202 SKUs instead of 256GB SSD				
Duty cycle (monthly)	Letter: Up to 250,000 pages; A4: Up to 250,000 pages; <b>Recommended monthly page volume:</b> Up to 60,000				
Paper handling					
Input	Standard: 100-sheet multi-purpose tray, 2 x 520-sheet input tray; Up to 1,140 sheets (Tray 1: up to 100 sheets; Tray 2: up to 520 sheets; Tray 3: up to 520 sheets) ; Up to 50 envelopes; <b>Maximum:</b> Up to 1,180 sheets		Standard: 100-sheet multi-purpose tray, 4 x 520-sheet input tray; Up to 2,180 sheets (Tray 1: up to 100 sheets; Tray 2: up to 520 sheets; Tray 3: up to 520 sheets; Tray 4: up to 520 sheets; Tray 5: up to 520 sheets) ; Up to 50 envelopes; <b>Maximum:</b> Up to 2,180 sheets		
Output	Up to 500 sheets Standard; Up to 40 envelopes; <b>Transparencies:</b> Up to 100 sheets; <b>Maximum:</b> Up to 500 sheets		Up to 3,250 sheets Standard; Up to 40 envelopes; <b>Transparencies:</b> Up to 100 sheets; <b>Maximum:</b> Up to 3,250 sheets		Up to 2,250 sheets Standard; Up to 40 envelopes; <b>Transparencies:</b> Up to 100 sheets; <b>Maximum:</b> Up to 2,250 sheets
Duplex Options	Automatic				
Envelope feeder	No				
Standard paper trays	Standard: 3; <b>Maximum:</b> Up to 3		Standard: 5; <b>Maximum:</b> Up to 5		
Media types	Plain, HP EcoEffICIENT, HP Matte 90 g, Light 60-74 g, Bond, Recycled, HP Matte 105 g, HP Matte 120 g, HP Soft Gloss 120 g, Mid-Weight 96-110 g, Heavy 111-130 g, HP Matte 150 g, Extra Heavy 131-175 g, HP Matte 200 g, Card-stock 176-220 g, Light Paperboard 221-255 g, Paperboard 256-300 g, Heavy Paperboard, Mono Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Pre-punched, Colored				
Media weight	Tray 1, 2, 3: 16 to 86.5 lb (bond); Tray 1, 2, 3: 60 to 325 g/m²		Tray 1, 2, 3: 16 to 86.5 lb (bond); Tray 4, 5: 16 to 80 lb; Tray 1, 2, 3: 60 to 325 g/m²; Tray 4, 5: 60 to 300 g/m²		
Media sizes	Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8,10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8,10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k; Tray 1: A3, A4, A4R, A5, A5R, A6, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (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, Envelope C5, Envelope C6, Envelope DL; Tray 3: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8k, 16k		Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8,10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 4 x 6, 5 x 7, 5 x 8,10 x 15, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 3: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k; Tray 4: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k; Tray 1: A3, A4, A4R, A5, A5R, A6, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (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, Envelope C5, Envelope C6, Envelope DL; Tray 3: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8k, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8k, 16k		Tray 1: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 4 x 6, 5 x 7, 5 x 8,10 x 15, 8k, 16k, envelope #9, Envelope #10, Envelope Monarch; Tray 2: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k; Tray 4: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k; Tray 5: Letter, Letter R, Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 8k, 16k; Tray 1: A3, A4, A4R, A5, A5R, A6, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (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, Envelope C5, Envelope C6, Envelope DL; Tray 3: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8k, 16k; Tray 4: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8k, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8k, 16k
Media Sizes Custom	Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in; Tray 1: 98 x 139.7 to 320 x 457.2 mm; Tray 2: 98 x 139.7 to 297 x 390 mm; Tray 3: 140 x 182 to 320 x 457.2 mm		Tray 1: 3.86 x 5.5 to 12.59 x 18 in; Tray 2: 3.86 x 5.5 to 11.69 x 15.35 in; Tray 3: 5.5 x 7.17 to 12.59 x 18 in; Tray 4: 5.5 x 7.17 to 12.59 x 18 in; Tray 5: 5.5 x 7.17 to 12.59 x 18 in; Tray 1: 98 x 139.7 to 320 x 457.2 mm; Tray 2: 98 x 139.7 to 297 x 390 mm; Tray 3: 140 x 182 to 320 x 457.2 mm; Tray 4: 140 x 182 to 320 x 457.2 mm; Tray 5: 140 x 182 to 320 x 457.2 mm		
Dimensions (W x D x H)	23 x 27.4 x 28.1 in; 585 x 695 x 714 mm; <b>Maximum:</b> 42.66 x 47.15 x 29 in; 1083.5 x 1197.6 x 736.7 mm		23 x 27.4 x 38.2 in; 585 x 695 x 970 mm; <b>Maximum:</b> 42.66 x 47.15 x 39.1 in; 1083.5 x 1197.6 x 993.2 mm		50.9 x 27.4 x 41.3 in; 1293 x 695 x 1050 mm; <b>Maximum:</b> 66.03 x 47.15 x 41.34 in; 1677.2 x 1197.6 x 1050 mm
Weight <sup>2</sup>	144.34 lb; 65.47 kg		206.62 lb; 93.72 kg		295.31 lb; 133.95 kg 343.74 lb; 155.92 kg
What's in the box	Installation guide; regulatory flyer; power cords; manual				
Page yield (set-up/inbox cartridges)	HP 176A Black LJ Starter Toner Cartridge (ISO Yield 25,000) W1760AS				
Replacement cartridges <sup>5</sup>	HP 176A Black LJ Toner Cartridge W1760A (ISO Yield 45,000)				
Orderable supplies	HP 176A Black Original LaserJet Toner Cartridge W1760A, HP 176A LaserJet Black Original Imaging Drum W1766A, HP LaserJet Toner Collection Unit 9U1Q5A, HP LaserJet ADF Maintenance Kit A91Z5A, HP 300 ADF Roller Replacement Kit J8J95A				
Warranty features	One-year, onsite warranty. Warranty and support options vary by product, country and local legal requirements.				
Energy star certified	Yes				
Ecolabels	Blue Angel; EPEAT® registered; ENERGY STAR® certified				EPEAT® registered; ENERGY STAR® certified
Sustainable impact specifications	FSC Certified Packaging; 10% post-consumer recycled plastic				
Control panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker				
Software included	No software solutions are included in the Box only on <a href="http://hp.com">http://hp.com</a> , <a href="https://support.hp.com/">https://support.hp.com/</a>				
Fonts and typefaces	84 scalable TrueType fonts				
Compatible operating systems	Windows 11; Windows 10; Windows Client OS; Android; iOS; macOS 12 Monterey; macOS 13 Ventura; MacOS v14 Sonoma; Windows 8.1				
Compatible network operating systems	Windows Server; Linux; Citrix				
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; <b>Power supply required:</b> 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); <b>Power consumption:</b> 1,024.37 watts (printing), 40.08 watts (ready), 0.86 watts (sleep), 0.11 watts (auto-off), 0.11 watts (manual-off); <b>Typical electricity consumption (TEC) number:</b> 1.027 kWh/Week				
Acoustics <sup>1</sup>	Acoustic power emissions: 7.1 B(A) (printing mono simplex A4 at 70 ppm)		Acoustic power emissions: 7.4 B(A) (printing mono simplex A4 at 70 ppm)		
Operating environment	Operating temperature range: 59 to 86°F; 15 to 30°C Recommended operating temperature: 59 to 86°F; 15 to 30°C Storage temperature range: 14 to 104°F; -10 to 40°C Operating humidity range: 20 to 80% RH Recommended operating humidity range: 20 to 80% RH				
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 WPA-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				

<sup>1</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support> <sup>2</sup> Including Starter toner cartridge weight <sup>3</sup> 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. <sup>4</sup> 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. <sup>5</sup> 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/learnaboutsupplies>.

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