HP LaserJet Enterprise 8501 Printer series

The ultimate workflow experience—HP's most advanced tech for easy management.[1]

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.[2]
- Save valuable time. High-quality prints are delivered quickly—with speeds up to 70 ppm.[3]

Secure what matters[1]

- Your work is secure with HP Wolf Security[4], silently detecting and repairing your printer from cyber attacks.
- Protect your network with the world's first quantum-resistant business printers.[4]
- Protect data stored on your device with the embedded HP Trusted Platform Module.[5] 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.[6]
- With HP Planet Partners, we offer a convenient way to recycle HP supplies after their use.[7]
- With every page you print, HP invests in helping to protect, manage, and restore forests.[8]

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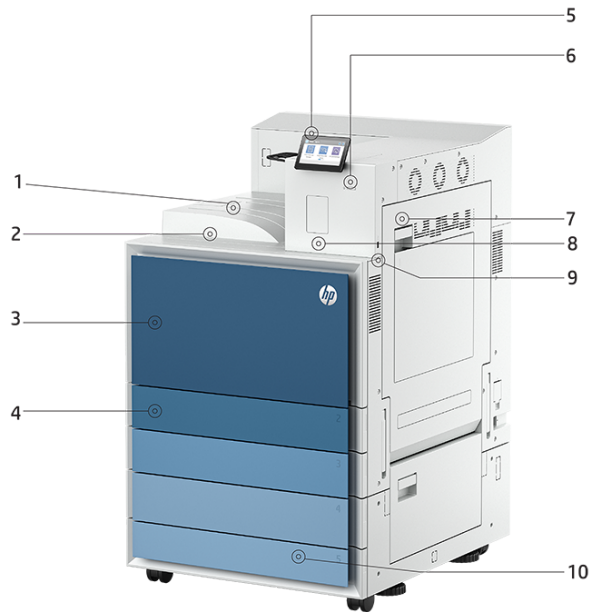
Series at a glance
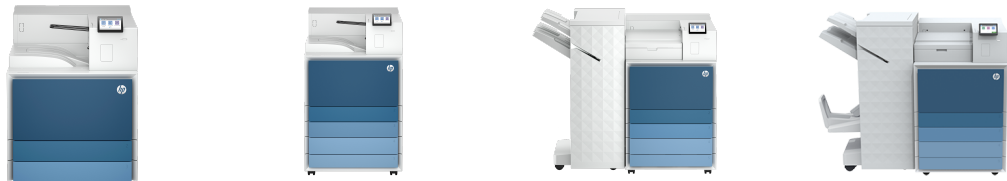
Model	HP LaserJet Enterprise 8501dn	HP LaserJet Enterprise 8501x	HP LaserJet Enterprise 8501x+	HP LaserJet Enterprise 8501xb+
Product number	9S187A	AJ7J3A	AQ1E4A[1]	BD5H0A[2]
Print speed	70 ppm			
Input capacity	1,140 sheets	2,180 sheets		
Recommended Monthly Page Volume	60,000			
Control Panel	4.3-inch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

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

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[4] 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

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	9S187A	AJ7J3A	AQ1E4A[1]	BD5H0A[2]
AIO functions	Print			

Print

Print speed [4][3]	**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; **Print resolution technology:** 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 / **Hard disk:** 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; **Recommended monthly page volume:** 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; **Maximum:** 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; **Maximum:** Up to 2,180 sheets		
Output	Up to 500 sheets Standard; Up to 40 envelopes; **Transparencies:** Up to 100 sheets; **Maximum:** Up to 500 sheets		Up to 3,250 sheets Standard; Up to 40 envelopes; **Transparencies:** Up to 100 sheets; **Maximum:** Up to 3,250 sheets	Up to 2,250 sheets Standard; Up to 40 envelopes; **Transparencies:** Up to 100 sheets; **Maximum:** Up to 2,250 sheets
Duplex Options	Automatic			
Envelope feeder	No			
Standard paper trays	**Standard:** 3; **Maximum:** Up to 3	**Standard:** 5; **Maximum:** Up to 5		
Media types	Plain, HP EcoEFICIENT, 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), 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	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 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), 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), 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; 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, 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 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), 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; 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; **Maximum:** 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; **Maximum:** 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; **Maximum:** 66.03 x 47.15 x 41.34 in; 1677.2 x 1197.6 x 1050 mm	
Weight[2]	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[5]	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 http://hp.com, https://support.hp.com/			
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; **Power supply required:** 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:** 1,024.37 watts (printing), 40.08 watts (ready), 0.86 watts (sleep), 0.11 watts (auto-off), 0.11 watts (manual-off); **Typical electricity consumption (TEC) number:** 1.027 kWh/Week			
Acoustics[1]	**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 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			

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