

ProductSheet

HP LaserJet Enterprise 8501 dn (9S187A)



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]

Secure what matters[1]

Your work is secure with HP Wolf Security[4], silently detecting and repairing your printer from cyber attacks.

Simplify print management

Receive an easy-to-install printer at your office. No third-party technician needed.

Specifications

Print Resolution Technologies	1,200 x 1,200 dpi (Fine lines); 600 x 600 dpi (Normal); 300 x 300 dpi (Quick view)
Print speed black (ISO, A4)	Up to 70 ppm
Print speed black (ISO, letter)	Up to 70 ppm
Print speed	Print speed up to 70 ppm (black)
Functions	Print
Duplex printing	Automatic
Duty cycle (monthly, A4)	Up to 250,000 pages
Duty cycle (monthly, letter)	Up to 250,000 pages
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
Energy savings feature technology	Power save
Replacement cartridges	HP 176A Black LJ Toner Cartridge W1760A (ISO Yield 45,000) ^[5]
Connectivity, standard	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)
Connectivity, optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A
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
Network protocols, supported	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), AirPrint, SNMPv1/v2c/v3, HTTP, HTTPS, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, LLMNR, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; HP Web Services
Software included	No software solutions are included in the Box only on http://hp.com , https://support.hp.com/
Compatible Operating Systems	Windows 11; Windows 10; Windows Client OS; Android; iOS; macOS 12 Monterey; macOS 13 Ventura; MacOS v14 Sonoma; Windows 8.1
Technical features	Automatic two-sided printing; Color Touchscreen with Apps; ENERGY STAR®; Ethernet
Sustainable impact specifications	FSC Certified Packaging; 10% post-consumer recycled plastic
Energy star certified	Yes
Ecolabels	Blue Angel; EPEAT® registered; ENERGY STAR® certified
Blue Angel compliant	Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies
Display area (imperial)	3.74 x 2.13 in
Display area (metric)	9.5 x 5.4 cm
Display	4.3-in (10.92 cm) touchscreen, WQVGA Color Graphic Display (CGD)
Dimensions (W x D x H)	585 x 695 x 714 mm
Dimensions (W x D x H)	23 x 27.4 x 28.1 in
Weight	65.47 kg ^[2] <i>([2] Including Starter toner cartridge weight)</i>
Weight	144.34 lb <i>([2] Including Starter toner cartridge weight)</i>
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)
Power supply type	Internal (Built-in) power supply
What's in the box	Installation guide; regulatory flyer; power cords; manual
Manufacturer Warranty	One-year, onsite warranty. Warranty and support options vary by product, country and local legal requirements.

Top Recommended Displays, Accessories and Services

Smart Cards and SmartCard Readers

HP SmartCard NIPRNet Solution for US Government	CC543B
HP SmartCard SIPRNet Solution for US Government	F8B30A

Printer Cables

HP Foreign Interface Harness	B5L31A
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Printer Accessibility Accessories

HP Accessibility Kit	2TD64A
HP Printing Voice Assistant	478C2A

Data Security Accessories

HP Removable Hard Drive Enclosure	2NR12A
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External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A
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Internal Print Servers

HP Jetdirect LAN Accessory	8FP31A
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LaserJet Options

HP JetDirect 3200w Wifi 6 Bluetooth Wireless Accessory	9R1U0A
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HP Color Laser Toner Printer Cartridges

HP 176A Black Original LaserJet Toner Cartridge	W1760A
HP 176A LaserJet Black Original Imaging Drum	W1766A
HP W1760AC Black Contract Original LaserJet Toner Cartridge	W1760AC

HP Laser Printer Supply Kits

HP 300 ADF Roller Replacement Kit	J8J95A
HP LaserJet ADF Maintenance Kit	A91Z5A
HP LaserJet Toner Collection Unit	9U1Q5A

Print Security Solutions

HP HID Mobile Access BLE MIFARE Card Reader	35H11B
HP Keystroke Card Reader	Y7C05B
HP SIM for Secure HID for Card Reader	Y7C07B
HP Universal Card Reader	X3D03B

Print Management Software Solutions - Security

HP Legic Secure USB Reader	4QL32A
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Messaging Footnotes

[1] 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.

[2] 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 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. For more information, visit: hp.com/go/PrinterSecurityClaims. HP Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager. 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+.

Technical Specifications Footnotes

[2] Including Starter toner cartridge weight

[5] 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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