



# HP LaserJet Enterprise 5501 n/dn Printer series

The powerful A4 enterprise printer for small teams

Simplify document workflows with blazing-fast speeds and customizable features. Seamlessly integrates with your existing fleet, scales for the future, and delivers industry-leading security to safeguard your data.

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>



HP LaserJet Enterprise 5501dn Printer



HP LaserJet Enterprise 5501n Printer

## Get the power to be more productive

- Save time with fast printer wake-up and print speeds up to 52 ppm to power through your tasks.<sup>2</sup>
- Stay ahead with FutureSmart firmware updates, keeping your fleet always up to date.<sup>3</sup>
- Customize workflows your way with printer and software configurations for your unique needs.

## Simplify work with automated workflows

- Wherever you are in your digital transformation, find the perfect fit—on-premises or cloud, tailored to you.
- Easily integrate your device into your fleet and workflows with seamless compatibility.

## Protect what matters with the most secure printer<sup>1</sup>

- Keep your work protected—HP Wolf silently detects and repairs your printer from cyberattacks.<sup>1</sup>
- Simplify compliance—HP Security Manager enforces policies automatically, so you're always audit-ready.<sup>4</sup>
- Get peace of mind with future-ready security — the world's first printers protected against quantum attacks.<sup>6</sup>

## Save energy and help reduce waste

- Reduce costs and environmental impact with printers and toner cartridges that use less energy.<sup>7</sup>
- Meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel with our energy efficient designs.<sup>8</sup>
- Help reduce plastic waste with TerraJet Toner Cartridges designed with recycled plastics.<sup>9</sup>
- Easily recycle your used HP TerraJet Toner Cartridges for free through the HP Planet Partners Program.<sup>10</sup>

<sup>1</sup> 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 published features as of June 2025 of competitive in-class printers. Only HP offers a combination of security features to automatically detect, isolate, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. Printers are most vulnerable to attack when they are booting up and during runtime (when the printer is in sleep mode and in use). Only HP Enterprise printers protect the device during 100% of the printer's life with Sure Start BIOS protection, Memory Shield with hardware-based Runtime Intrusion Detection and Control Flow Integrity to detect and recover from zero-day threats in addition to Connection Inspector network behavioral anomaly detection all with self-healing recovery. 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). <sup>2</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>3</sup> Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, for example, physical product characteristics limit the functionality of the new feature. <sup>4</sup> HP Security Manager must be purchased separately. For details, see [hp.com/go/securitymanager](http://hp.com/go/securitymanager). <sup>5</sup> Based on HP's internal analysis of business Printers with preinstalled encryption, authentication, malware protection, post-quantum digital signature, and initial BIOS firmware integrity 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 and firmware as of March 2025. <sup>6</sup> Energy reduction in HP LaserJet Enterprise 5501-5502 and 5601-5602 with HP Original 159 TerraJet Toner Cartridges compared to predecessor HP LaserJet Enterprise M507 and M528 with HP Original 89 Toner Cartridges. Calculated in 2026 based on normalized Energy Star® Typical Electricity Consumption (TEC) data. See [hp.com/TerraJet/energysaving](http://hp.com/TerraJet/energysaving) for more information. <sup>7</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.energystar.gov/productfinder](http://www.energystar.gov/productfinder) for more information on models of the HP LaserJet Enterprise 5500/MFP 5600 series that are ENERGY STAR certified in North America. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks. HP printer, HP paper and Original HP supply - Blue Angel DE-LIZ 219 Emissions Criteria. <sup>8</sup> Recycled plastic in Original HP 159 and 160 TerraJet Toner Cartridges measured in 2026 and expressed as a percentage of total weight of plastic. See [hp.com/TerraJet/plasticreductions](http://hp.com/TerraJet/plasticreductions) for more information. <sup>9</sup> Program availability varies. For more information, visit [hp.com/hprecycle](http://hp.com/hprecycle).

## Product walkaround

(5501dn shown)

1. 2.7-inch color non-touch display (6.8cm)
2. Automatic 2-sided printing
3. 100-sheet multipurpose tray 1 supports media sizes up to Legal (8.5x14 inch)
4. 250-sheet output bin supports media sizes up to Legal (8.5x14 inch)
5. Hardware Integration Pocket (for connecting accessories and third-party devices)<sup>1</sup>
6. 550-sheet tray 2 supports media sizes up to Legal (8.5x14 inch)



## Series at a glance



Model	HP LaserJet Enterprise 5501dn Printer	HP LaserJet Enterprise 5501n Printer
Product Number	A29Z3A	A32R5A
Functions	Print	
Print speed (up to) <sup>2</sup>	52/50 ppm (Letter/A4)	
Auto 2-sided printing	Yes	No
Connectivity	USB, Ethernet	
Walk-up USB	No	
Control panel	2.7" Non-touch	
Input capacity	650/2,300 (std/max)	
Memory and Storage	2GB RAM, 8GB eMMC	
RMPV <sup>4</sup>	2,500 to 12,500	
Workpath enabled	No	
Extensibility	HP FutureSmart <sup>3</sup> , OXPd	

<sup>1</sup> Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

<sup>2</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>3</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>4</sup> HP recommends that the number of pages per month of imaged output be within a stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period, the lowest monthly volume shown is based on 60-month usage and the highest 12-month usage.

## 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](http://hp.com/go/cpc)

## Top features

Maximize productivity with blazing-fast speeds, customizable features and FutureSmart firmware upgrades.

Work smarter with tailored print solutions and seamless fleet integration.

The world's most secure printing technology—protect your data, workflows, and business at every level.

Reduce costs and environmental impact with our energy-efficient design.

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### Accessories

<b>2TD64A</b>	HP Accessibility Kit
<b>478C2A</b>	HP Printing Voice Assistant
<b>6C7M6A</b>	HP LaserJet 550-sheet Paper Tray
<b>8FP31A</b>	HP Jetdirect LAN Accessory
<b>9R1U0A</b>	HP JetDirect 3200w Wifi 6 Bluetooth Wireless Accessory
<b>B01KLA</b>	HP LaserJet 3x550 Sheet Paper Tray with Stand
<b>B01KMA</b>	HP LaserJet Lunar Gray 3x550 Sheet Paper Tray with Stand
<b>B01KNA</b>	HP LaserJet Comet Red 3x550 Sheet Paper Tray with Stand
<b>B01KPA</b>	HP LaserJet Cosmic Green 3x550 Sheet Paper Tray with Stand
<b>B01KQA</b>	HP LaserJet Aurora Purple 3x550 Sheet Paper Tray with Stand
<b>B01KRA</b>	HP LaserJet Constellation Yellow 3x550 Sheet Paper Tray with Stand
<b>B01KSA</b>	HP LaserJet Envelope Feeder Kit
<b>B01KTA</b>	HP LaserJet 550 Sheet Paper Tray with Storage Stand
<b>B01KVA</b>	HP LaserJet Lunar Gray 550 Sheet Paper Tray with Storage Stand
<b>B01KWA</b>	HP LaserJet Comet Red 550 Sheet Paper Tray Storage Stand
<b>B01KXA</b>	HP LaserJet Cosmic Green 550 Sheet Paper Tray with Storage Stand
<b>B01KYA</b>	HP LaserJet Aurora Purple 550 Sheet Paper Tray with Storage Stand
<b>B01KZA</b>	HP LaserJet Constellation Yellow 550 Sheet Paper Tray with Storage Stand
<b>B5L31A</b>	HP Foreign Interface Harness
<b>B8GR1A</b>	HP LaserJet 550 Sheet Paper Constellation Yellow Tray
<b>B8GR2A</b>	HP LaserJet 550 sheet Paper Cosmic Green Tray
<b>B8GR3A</b>	HP LaserJet 550 sheet Paper Aurora Purple Tray
<b>B8GR4A</b>	HP LaserJet 550 sheet Paper Comet Red Tray
<b>B8GR5A</b>	HP LaserJet 550 sheet Paper Lunar Gray Tray
<b>CC543B</b>	HP SmartCard NIPRNet Solution for US Government
<b>F8B30A</b>	HP SmartCard SIPRNet Solution for US Government
<b>X3D03B</b>	HP USB Universal Card Reader
<b>Y7C05B</b>	HP HIP2 Keystroke Reader
<b>35H11B</b>	HP HID Mob Acc Mifare DES Fire ks Reader
<b>4QL32A</b>	HP Legic Secure USB Reader

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### Supplies

<b>W1590A</b>	HP 159A Black Original LaserJet Toner Cartridge
<b>W1590X</b>	HP 159X Black Original LaserJet Toner Cartridge
<b>W1590Y</b>	HP 159Y Black Original LaserJet Toner Cartridge

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### Solutions

**Overview:** The HP Solutions portfolio provides a broad array of solutions designed to work with many HP printers and MFPs. They can help improve productivity, safeguard your data, and drive down costs. Helping employees and your IT team work more efficiently.

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

**Mobile and universal print:** HP Universal Print Driver (UPD); Microsoft Universal Print (MUP) support

**Management:** Embedded Web Server; HP Advance; HP Insights; HP Security Manager; HP Smart Printer Administrator's Resource Kit; HP Web Jetadmin; Premium Fleet & Security Management on WXP-Print

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### Services

UP8H7E-HP 3 year Next Business Day Onsite with DMR Service for LaserJet Enterprise 5501 5502

UP9H6PE-HP 1 year PW Next Business Day Onsite with DMR Service for LaserJet Enterprise 5501 5502

UP9H7E-HP 3 year NBD Onsite with Preferred Access and DMR Service for LaserJet Enterprise 5501 5502

UP9JOPE-HP 1 year PW NBD Onsite with Preferred Access and DMR Service for LaserJet Enterprise 5501 5502

UP9J1E-HP 3 year 4 hour Onsite with DMR Service for LaserJet Enterprise 5501 5502

UP9J4PE-HP 1 year Post Warranty 4 hour Onsite with DMR Service for LaserJet Enterprise 5501 5502

UP9J5E-HP 3 year 4 hour Onsite with Preferred Access and DMR Service for LaserJet Enterprise 5501 5502

UP9J8PE-HP 1 year PW 4 hour Onsite with Preferred Access and DMR Service for LaserJet Enterprise 5501 5502

UP9J9E-HP 3 year Parts Exchange with DMR Service for LaserJet Enterprise 5501 5502

UP9K2PE-HP 1 year Post Warranty Parts Exchange with DMR Service for LaserJet Enterprise 5501 5502

U9JT2E-HP Inst SVC w/nw Workgroup Printer

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## HP LaserJet Enterprise 5501n/dn Printer series

Model	HP LaserJet Enterprise 5501dn Printer	HP LaserJet Enterprise 5501n Printer
Product number	A29Z3A	A32R5A
AIO functions	Print	
<b>Print</b>		
Print speed <sup>5,7,8</sup>	<b>First page out Letter:</b> As fast as 4.0 sec Black; <b>First page out A4:</b> As fast as 4.1 sec Black; <b>Letter:</b> Up to 52 ppm Black; <b>A4:</b> Up to 50 ppm Black; <b>2-sided Letter:</b> Up to 43 ipm Black; <b>2-sided A4:</b> Up to 41 ipm Black; <b>Print speed (Landscape, A5):</b> Up to 76 ppm Black	<b>First page out Letter:</b> As fast as 4.0 sec Black; <b>First page out A4:</b> As fast as 4.1 sec Black; <b>Letter:</b> Up to 52 ppm Black; <b>A4:</b> Up to 50 ppm Black; <b>Print speed (Landscape, A5):</b> Up to 76 ppm Black
Print resolution	<b>Black (best)</b> Up to 1200 x 1200 dpi; <b>Black (normal)</b> Up to 600 x 600 dpi; <b>Black (fine lines)</b> Up to 1200 x 1200 dpi	
Print technology	Laser; <b>Print resolution technology:</b> Normal (600x600 dpi with FastRes), Fine Lines (1200x1200 dpi), Quickview (300x300 dpi), Economode	
Print cartridges number	1 (black)	
Standard print languages	HP PCL 6, HP PostScript level 3 emulation, native PDF printing (v. 1.7), Apple AirPrint™	
Printer smart software features	Print preview, duplex printing, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs	Print preview, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs
Printer management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP Security Manager; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility)	
<b>Connectivity</b>		
Standard connectivity	1 Gigabit Ethernet 10/100/1000 Base-T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (device); 1 Hi-Speed USB 2.0 (host)	
Network capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); WiFi 2.4/5 GHz wireless networking (optional); Second Ethernet port (optional); Microsoft Universal Print (MUP) support	
Wireless capability	Optional, with wireless hardware accessory. Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3200w WiFi 6 Bluetooth Wireless Accessory 9R1U0A.	
Mobile printing capability	Apple AirPrint™; Mopria™ certified	
Memory	<b>Standard:</b> 2 GB; <b>Maximum:</b> 2 GB	
Processor speed	Dual Core (1.4 GHz)	
Storage	<b>Standard:</b> 8 GB eMMC <b>Hard disk:</b> Standard, 8 GB eMMC	
Duty cycle (monthly) <sup>8</sup>	<b>Letter:</b> Up to 150,000 pages; <b>A4:</b> Up to 150,000 pages; <b>Recommended monthly page volume<sup>9</sup>:</b> 2,500 to 12,500	

## HP LaserJet Enterprise 5501n/dn Printer series

Model	HP LaserJet Enterprise 5501dn Printer	HP LaserJet Enterprise 5501n Printer
Product number	A29Z3A	A32R5A
<b>Paper handling</b>		
Input	Standard: 100-sheet multipurpose feeder, 550-sheet input feeder; Up to 650 sheets (MP Tray: up to 100 sheets; Tray 2: up to 550 sheets) ; Maximum: Up to 2300 sheets	
Output	Up to 250 sheets Standard; Transparencies: Up to 75 sheets; Maximum: Up to 250 sheets	
Duplex Options	Automatic	Manual (driver support provided)
Envelope feeder	Yes, 50 (optional) <sup>15</sup>	
Standard paper trays	Standard: 2; Maximum: 5 <sup>16</sup>	
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined	
Media weight	Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); Feeder 2: 16 to 32 lb bond (plain); Automatic Duplexer: 16 to 32 lb	Feeder 1: 16 to 53 lb bond (plain), 16 to 24 lb (envelopes); Feeder 2: 16 to 32 lb bond (plain)
Media sizes	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Automatic Duplexer: letter, legal, executive, 8.5 x 13 in; Envelope Feeder Accessory: No. 9, No. 10, Monarch	Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Envelope Feeder Accessory: No. 9, No. 10, Monarch
Media Sizes Custom	Tray 1: 3 x 5 to 8.5 x 14 in; Tray 2: 4.14 x 5.83 to 8.5 x 14 in; Optional 550-sheet Tray: 4.14 x 5.83 to 8.5 x 14 in; Envelope Feeder Accessory: 3.86 x 6.38 to 7 x 10 in	
Dimensions (W x D x H)	15.7 x 15.7 x 12.0 in; 400 x 400 x 305 mm; Maximum: 15.7 x 28.5 x 12.0 in (rear jam access door open, front cartridge door open, all feeders open and extended)	
Weight <sup>4</sup>	~26.1 lb; ~11.8 kg	
What's in the box <sup>3</sup>	HP LaserJet Enterprise 5501dn Printer; HP Original LaserJet Toner Cartridge (~6,000 pages); Regulatory flyer; Unpack Flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/phone number list	HP LaserJet Enterprise 5501n Printer; HP Original LaserJet Toner Cartridge (~6,000 pages); Regulatory flyer; Unpack Flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/phone number list
Replacement cartridges	HP 159A Black Original LaserJet Toner Cartridge (~5,000 pages) W1590A; HP 159X High Yield Black Original LaserJet Toner Cartridge (~10,000 pages) W1590X; HP 159Y Extra High Yield Black Original LaserJet Toner Cartridge (~26,000 pages) W1590Y	
Orderable supplies	HP LaserJet Transfer Roller Kit C35T5A; HP LaserJet Tray Roller Kit C35T6A	
Warranty features	One-year, onsite warranty service. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://hp.com/support">hp.com/support</a> to learn about HP award winning service and support options in your region. (warranty code 4G; warranty ID A001)	
Energy star certified	Yes	No
Ecotags <sup>2</sup>	CECP; IT ECO Declaration; Blue Angel; EPEAT® Gold India; EPEAT® Gold Australia; EPEAT® Gold Canada; EPEAT® Gold US; SEPA; KOECO; EPEAT® registered; ENERGY STAR® certified; Korea MEPS; Vietnam MEPS	IT ECO Declaration; CECP; SEPA; KOECO; Conforms to ecolabel energy efficiency limits; Vietnam MEPS
Sustainable impact specifications	Recyclable through HP Planet Partners; Contains at least 5% post-consumer recycled plastic	
Control panel	2.7-in (6.86 cm) QVGA LCD (color graphics) display with 24-key pad	
Display	2.7-in (6.86 cm) QVGA LCD (color graphics) display	
Software included	No software solutions are included in the Box, only on <a href="http://hp.com">http://hp.com</a> ;	
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript Level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono World Type); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation information available in the user guide and documentation for this printer model at <a href="http://www.hp.com/support">http://www.hp.com/support</a> .	
Compatible operating systems <sup>14</sup>	Windows 11 (64-bit and ARM64); Windows 10 (32-bit, 64-bit and ARM64); Android; iOS; macOS 14 Sonoma; macOS 15 Sequoia; macOS Tahoe v26; Linux: Debian 10; Linux: Debian 11; Linux: Elementary 6P; Linux: Fedora 31; Linux: Fedora 32; Linux: Fedora 33; Linux: Fedora 34; Linux: Fedora 35; Linux: Linuxmint 20.1; Linux: Linuxmint 20.2; Linux: Manjorolinux 20.2; Linux: Manjorolinux 21.0.7; Linux: Mxlinux 21; Linux: OpenSuse 15.1; Linux: OpenSuse 15.2; Linux: OpenSuse 15.3; Linux: RHEL 6; Linux: RHEL 7; Linux: RHEL 8; Linux: Ubuntu 20.04; Linux: Ubuntu 20.10; Linux: Ubuntu 21.04; Linux: Ubuntu 21.10; Linux: Zorin 15; Linux: Zorin 16; Chrome OS	
Compatible network operating systems	Citrix; SAP; Windows Server 2016 64-bit; Windows Server 2019 64-bit; Windows Server 2022 64-bit; Windows Server 2025 64-bit	
Minimum system requirements	PC: 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; Mac: 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see <a href="http://apple.com">apple.com</a> ;	
Power <sup>11</sup>	Power supply type: Built-in 3-Pin 115V or 220V Internal Power Supply; Power supply required: Input Voltage: 100V - 127V AC, 50 - 60Hz, 8.8A; or Input Voltage: 220V - 240V AC, 50 - 60Hz, 4.6A; Power consumption <sup>10</sup> : 552.4 watts (Printing), 4.89 watts (Ready), 0.76 watts (Sleep), 0.02 watts (Auto-Off), 0.02 watts (Off); Typical electricity consumption (TEC) number: 0.419 kWh/Week (Blue Angel); 0.400 kWh/Week (ENERGY STAR 3.0)	
Acoustics <sup>1</sup>	Acoustic power emissions: 6.9 B(A)	
Operating environment	Operating temperature range: 50 to 90.5°F ; Recommended operating temperature: 59 to 80.6°F ; Storage temperature range: -4 to 104°F ; Operating humidity range: 10 to 80% RH ; Recommended operating humidity range: 30 to 70% RH	
Security management	Identity management: Role Based Access Control (RBAC) Walk-up and Remote Access; Admin PW Protected EWS and Remote Access, Self-signed Certificate; Encrypted passwords; Personal on-device user accounts; Account Lockout (time-based); Kerberos AuthN; LDAP authentication; 1000 user PIN codes; Optional HP and 3rd party passwordless, MFA solutions (e.g.: badge readers); Protected Access (embedded) end user passwordless MFA for Microsoft® Entra ID; Proximity card reader, single sign-on, smart card, CAC support. Network protection: IPsec/firewall with Certificate; Elliptic Curve Cryptography (ECC, EC-based certificates); Pre-Shared Key; Kerberos AuthN; Web Jetadmin fleet proxy; 802.1X (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS with Server Certificate Validation; Certificate Provisioning and CA support; Access Control List. Data privacy and protection: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated crypto libraries from Microsoft®); Secure Erase with job storage (3x overwrite for HDD, cryptographic erase for SSD); SSL/TLS 1.2, TLS 1.3 support (HTTPS); Encrypted Credentials; Secure encrypted print support via UPD; AI-enabled Guided Redaction data security (select models). Device protection: Continuous malware monitoring; HP SureStart with Quantum Resistant BIOS firmware integrity checking, PoC protection, and self-healing recovery; Allowlisting code validation (DLLs, EXEs, etc.) at time of use; Memory Shield hardware-enforced Runtime Intrusion Detection and Control Flow Integrity with self-healing recovery; AI-powered Connection Inspector network behavior anomaly detection with self-healing recovery; Trusted Platform Module 2.0; Configurable Service PIN; EU RED, UK PSTI, Australia Cybersecurity Act 2024 compliant; Embedded VPN (select HP Enterprise models); HP LaserJet Workflow Accelerator Card support (select HP Enterprise models); Wi-Fi security; WPA Enterprise; Security lock slot; USB host port disablement; Hardware integration pocket (HIP). Testing, Validation, Governance, and Compliance: FIPS 140-2, 140-3, Common Criteria Certification; NIST security checklist; Supply Chain Security ISO/IEC 20243 Certifications. Fleet security management: HP Security Manager policy and device certificate management, fleet firmware vulnerability assessment; Compatible with Device Security Syslog Messages processed and accessible in SIEM tools; HP Workforce Experience Platform Support (select models); Original HP Enterprise Cartridge Security.	
Country of origin	Made in Vietnam	

<sup>1</sup> Active Printing measured on worse case bundle/mode, printing A4 simplex at 50ppm.

<sup>2</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks.

<sup>3</sup> In box cartridge yields 6,000 black pages based on ISO/IEC 19752 and continuous printing. Actual pages may vary considerably based on images printed and other factors. For more information, visit: <http://www.hp.com/go/learnaboutsupplies>.

<sup>4</sup> With print cartridges

<sup>5</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <https://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

<sup>6</sup> Measured using ISO/IEC 24734 Feature Performance Test, excludes first set of test documents. For more information see <https://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

<sup>7</sup> Device first page out time based on HP internal measurement of printer activation until page exit. Measurement based on industry-standard ISO/IEC 17629 can be found at <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

<sup>8</sup> Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.

<sup>9</sup> HP recommends that the number of pages per month of imaged output be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. The range shown is based on 60 months of output for the lower monthly value and 12 months of output for the higher monthly value.

<sup>10</sup> Power consumption values based on measurement of 115V device. Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty.

<sup>11</sup> Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

<sup>12</sup> Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. ENERGY STAR value typically based on measurement of 115V device and 230V for Blue Angel.

<sup>13</sup> Product Documentation and Support; HP Mac OS Print Driver; HP Easy Admin ; HP Universal Scan Solution; Printer Administrator Resource Kit (Driver Configuration; HP Universal Print Drivers PCL6 GDI & PS GDI for Windows; SAP Print Drivers for more information; HP JetAdvantage Security Manager; HP Command Center; Chrome Extension; Available on <https://support.hp.com> unless noted; HP Insights (WXP); HP WebJetAdmin; HP Workpath HPLIP Linux Printer Driver for more information see <http://hplipopensource.com/hplip-web/index.html>; HPX;

<sup>14</sup> Citrix Server versions updates release every quarter, for updates see <https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/>; Citrix XenApp & XenDesktop versions updates release every quarter, for updates see <https://www.citrix.com/en-in/downloads/citrix-virtual-apps-and-desktops/>; Citrix Ready Kit Certification - see <http://citrixready.citrix.com> for the latest qualification for HP Printers;

<sup>15</sup> Envelope feeder available as an accessory kit and requires that an additional Tray must be present in the Tray 3 position. Additional trays can be ordered as accessories to suit your requirements.

<sup>16</sup> The printer can support up to 2 additional trays for desktop use and up to 3 additional trays for floor standing. Floor standing configurations must be built up from one of the two floor standing accessories - 3 x 550 Sheet Paper Tray with Stand, or 1 x 550 Sheet Paper Tray with Storage Stand.

To learn more, visit [hp.com](http://hp.com)

