# 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.

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.

3 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.

4 HP Security, is now HP Wolf Security. Security features vary by platform, please see product data sheet for details. HPs 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 it, p.com/go/printer/security, Sindager must be purchased separately. To learn more, please wist the prodosecurity please wist the prodosecurity of the more please wist the prodosecurity of the more please wist the prodosecurity of the products wist in the products that interprise devices were resilient products of the products wist of the products of the products wist become the products wist of the products wist of the products of the products of the products wist of the products wist of the products of the products wist of the products of the products wist of the products of the products of the products of the products of the produ 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+. 5 Use of the HP Trusted Platform Module may require a firmware upgrade.

<sup>6</sup> HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT® co-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 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.

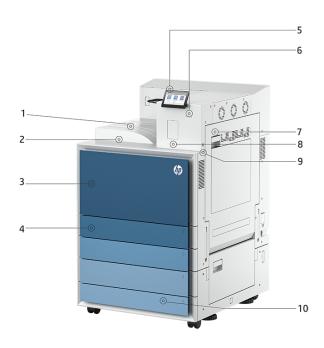
7 Program availability varies. For more information, visit hp.com/hprecycle.

Frogen is evaluating writes. For indice information, was upcomprigecyte.

8 PH works oldbaratively with our partners including WHF 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.

#### 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 <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		

#### **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<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 2TD64A HP Removable Hard Drive Enclosure HP Accessibility Kit

HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A 478C2A

4QL32A 8FP31A 9R1U0A

HP Printing Voice Assistant
HP Legic Secure USB Reader
HP Jetdirect LAN Accessory
HP Jetdirect LAN Accessory
HP JetDirect 3200w Wifi 6 Bluetooth Wireless Accessory

**B5I 31A** 

HP Foreign Interface Harness HP USB Universal Card Reader HP LaserJet Stapler/Stacker Finisher Staples HP HIP2 Keystroke Reader

X3D03A Y1G14A Y7C05A

#### Supplies

9U1Q5A W1760A HP LaserJet Toner Collection Unit (~300,000) pageS 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

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 Laser Jet 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

UJIGPPE - HP 1 year Post Warranty 4 hour Onsite with Preferred Access and DMR Service for Laser Jet 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 Laser Jet 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 tyber resiliency, For a list of compatible products, visit: hp.com/go/PrintersThatProtect. For more information, visit: hp.com/go/PrinterSecurityCalaims. HP Security Manager must be purchased separately. To learn more, please visit hp.com/go/PrintersThatProtect. For more information, and INDIS-levely 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

#### HP LaserJet Enterprise 8501 Printer series

	rprise 8501 Printer series	F	[	T			
Model  Product number	HP LaserJet Enterprise 8501dn	HP LaserJet Enterprise 8501x	HP LaserJet Enterprise 8501x+	HP LaserJet Enterprise 8501xb+			
Product number AIO functions	9S187A Print	AJ7J3A	AQ1E4A <sup>1</sup>	BD5H0A <sup>2</sup>			
Print	PIIIL						
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	k; <b>A4:</b> Up to 70 ppm Black; <b>2-sided Letter:</b> Up to 70 ipm Black	ack; <b>2-sided A4:</b> Up to 70 ipm Black			
Print resolution	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 (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)						
tandard 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						
rinter 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	g						
itandard 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)						
letwork capabilities	Standard (built-in Gigabit 10/100/1000T Ethernet)						
Vireless capability	Optional, enabled with purchase of a hardware accessory						
Nobile printing capability	Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; PrinterOn Print						
Memory	Standard: 6 GB; Maximum: 6 GB						
rocessor speed	1.6 GHz (Quad Core), 1.4 GHz (Dual Core)						
torage	Standard: 256 GB SSD / Hard disk: None						
uty cycle (monthly)	<b>Letter:</b> Up to 250,000 pages; <b>A4:</b> Up to 250,000 pages; <b>F</b>	Recommended monthly page volume: Up to 60,000					
aper handling	Standard: 100 cheet multi-purpose tray 2 v E20 cheet						
put	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 3: up to 520 sheets; Tray 5: 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; Transpa	rencies: 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			
Ouplex Options	Automatic						
nvelope feeder	No						
tandard paper trays	Standard: 3; Maximum: Up to 3	Standard: 5; Maximum: Up to 5					
ledia types		id, Recycled, HP Matte 105 g, HP Matte 120 g, HP Soft Glos ard 256-300 g, Heavy Paperboard, Mono Transparency, La					
	Tray 1, 2, 3: 16 to 86.5 lb (bond); Tray 1, 2, 3: 60 to 325			re parierea, colorea			
edia weight	g/m²	Tray 1, 2, 3: 16 to 86.5 lb (bond); Tray 4, 5: 16 to 80 lb; T	ray 1, 2, 3: 60 to 325 g/m²; Tray 4, 5: 60 to 300 g/m²				
Aedia sizes	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, Letter, 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 (IJS, B5 UIS), B6 UIS), 10 x 15m, Oficio, 8K, 16k, Postcard UIS), Postcard UIS), Envelope B5, Envelope C5, Envelope C6, Envelope D1; Tray 2: A4, A4R, A5, A5R, A6, RA4, B4 UIS), B5 UIS), B6UIS), Oficio, 8K, 16k, Envelope B5, Envelope C6, Envelope C7, Envel	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 #0 and the 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, Letter, 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 UIS), B5 UIS), 10x 15cm, Oficio, 8k, 16k; Postcard UIS), Postcard UIS), Postcard UIS), Postcard UIS, Postcard UIS, Postcard UIS, Postcard UIS, Postcard UIS, Christope B5, Envelope C5, Envelope D1; Tray 2: A4, A4R, A5, A5R, A6, RA4, B4 (IIS), B5 UIS), Oficio, BK, 16k; Envelope B5, Envelop C5, Envelope D1; Tray 2: A3, A4, A4R, A5, A5R, A6, RA4, B4 (IIS), B5 UIS), Oficio, BK, 16k; Tray 4: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS), B5 UIS), Oficio, 8K, 16k; Tray 5: A3, A4, A4R, A5, RA3, RA4, B4 (IIS),		Envelope #10, Envelope Monarch; Tray 3: Letter, Let R. Legal, Executive, Statement, Oficio, 11 x 17, 12 x 18, 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, 17, 12 x 18, 8k, 16k; Tray 1: A3, A4, A4R, A5, A5R, A7, A8, A3, SRA3, A8A, SA4, SRA4, SRA (BIS), B5 UIS), B6 UIS), 10x15cm, Oficio, 8k, 16k, Postcard (UIS), Postcard U Envelope B5, Envelope C5, Envelope C6, Envelope L7 and UIS, B5 UIS), B6 UIS), Oficio, 8k, 16k, Envelope B5, Envelope C5, Envelop			
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 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 1: 3.86 x 5.5 to 12.59 x 18 in; 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					
Dimensions (W x D x H)	23 x 27.4 x 28.1 in; 585 x 695 x 714 mm; <b>Maximum</b> :	23 x 27.4 x 38.2 in; 585 x 695 x 970 mm; <b>Maximum</b> :	50.9 x 27.4 x 41.3 in; 1293 x 695 x 1050 mm; <b>Maximur</b>	<b>n:</b> 66.03 × 47.15 × 41.34 in; 1677.2 × 1197.6 × 1050 m			
/eight <sup>2</sup>	42.66 x 47.15 x 29 in; 1083.5 x 1197.6 x 736.7 mm 144.34 lb; 65.47 kg	42.66 x 47.15 x 39.1 in; 1083.5 x 1197.6 x 993.2 mm 206.62 lb; 93.72 kg	295.31 lb; 133.95 kg	343.74 lb; 155.92 kg			
/hat's in the box	Installation guide; regulatory flyer; power cords; manual		ng	5 1 (a) 135.3E kg			
age yield (set-up/inbox		00) W1750AS					
artridges)	HP 176A Black LJ Starter Toner Cartridge (ISO Yield 25,0)						
eplacement cartridges <sup>5</sup>	HP 176A Black LJ Toner Cartridge W1760A (ISO Yield 45,000)						
rderable supplies	HP 176A Black Original Laser Jet Toner Cartridge W1760A, HP 176A Laser Jet Black Original Imaging Drum W1766A, HP Laser Jet Toner Collection Unit 9U1Q5A, HP Laser Jet ADF Maintenance Kit A91Z5A, HP 300 ADF Roller Replacement Kit J8J95A						
arranty features	One-year, onsite warranty. Warranty and support options vary by product, country and local legal requirements.						
nergy star certified	Yes						
colabels	Blue Angel; EPEAT® registered; ENERGY STAR® certified			EPEAT® registered; ENERGY STAR® certified			
ustainable impact pecifications	FSC Certified Packaging; 10% post-consumer recycled plastic						
ontrol panel	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker						
oftware included	4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker  No software solutions are included in the Box only on http://hp.com, https://support.hp.com/						
onts and typefaces	No sortware solutions are included in the Box only on http://np.com, https://support.np.com/  84 scalable TrueType fonts						
ompatible operating systems	Windows 11; Windows 10; Windows Client OS; Android; iOS; macOS 12 Monterey; macOS 13 Ventura; MacOS v14 Sonoma; Windows 8.1						
ompatible network operating	Windows Server; Linux; Citrix						
ystems linimum 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						
ower	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 (						
coustics <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)						
perating 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  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 Ke						
Security management	authentication, Supports WJA-10 IPsec configuration Plu Device: HP Sure Start Secure Boot (BIOS Integrity Checkir	thentication, 1000 user PIN codes, Optional HP and 3rd pg g-in, 802.1X authentication (EAP-PEAP, EAP-ILS), SNMPv. ig with self-healing capability), Intrusion Detection (Consta rity lock slot, USB port disablement; Security managemen	3, HTTPS, Certificates; Data: Storage Encryption, Encrypted ant in-device monitoring for attacks), Whitelisting (loads or	d PDF & Email, SSL/TLS (HTTPS), Encrypted Credential: nly known good code), HP Memory Shield™, Embedded			

<sup>&</sup>lt;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.

