

# HP Color LaserJet Managed MFP E785dn



## Powerful. Flexible. Secure.

Change is the only constant in business. Advance your business with a printer that can be upgraded over time to expand capabilities. With HP's most secure printers<sup>1</sup> you'll stay secure and simplify fleet management for busy IT pros.



## Unleash peak productivity

- Tackle anything with our powerful processor. Maximize your productivity and increase your overall print performance by copying, scanning and printing documents of all sizes at virtually full speed.
- Increase your day-to-day productivity with our industry leading, single pass 120 ipm<sup>2</sup> duplex scanning.
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons on the 8-inch color touchscreen display.
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart<sup>3</sup> firmware.

## Customizable solutions built to last

- Make your day-to-day more productive with customized experiences with cloud-connected HP Workpath apps<sup>4</sup> that let you access personalized content, integrate paper and digital workflows.
- Unleash your creativity and match any office decor with modern designs and the option of five customizable color panels.
- Give your team what they need to succeed with the HP Open Extensibility Platform, containing hundreds of HP and third-party solutions as well as card reader support.
- Make color management simple & seamless with our HP Custom Color Manager. Match color output of any document/device combination without the hassle of expensive color matching systems.

## Always on guard with HP Wolf Security<sup>5</sup>

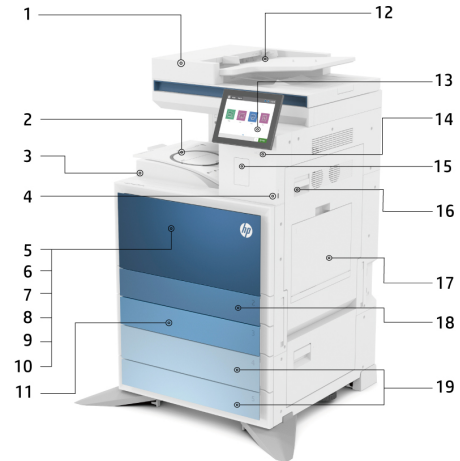
- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Run-time intrusion detection is always on guard. Common Criteria certified<sup>6</sup> to continually monitor memory activity to keep you safe, detecting and stopping attacks in real time.
- HP Memory Shield™ is an embedded security feature that helps prevent a wide variety of malware attacks from redirecting the execution flow of a program.

## Better printing, for a better planet.

- The fiber-based packaging, including outer box and interior fiber-based cushions, for this product is 100% sustainably sourced, meaning it's made from recycled or certified content.<sup>7</sup>
- Our devices are made with the planet in mind with energy-efficient printing and toner cartridges made from more than 57% recycled plastic.<sup>8</sup> Printing that puts the planet first.
- Our improved energy efficient designs meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel.<sup>9</sup>
- With formulas that meet current indoor air quality standards, our ultra-low melt toner is efficient for both printing and the planet.<sup>10</sup>

## Product walkaround

1. Flatbed scanner handles sheets up to 297 x 432 mm
2. 500-sheet output bin
3. Automatic two-sided printing
4. Easy-access USB port<sup>1</sup>
5. Front door access to toner cartridges
6. Slot for cable-type security lock
7. Super Speed USB 3.0 Host Port
8. Hi-Speed USB 2.0 Host Port
9. Gigabit Ethernet Port
10. Hi-Speed USB 2.0 device port
11. 520-sheet tray 3 supports media sizes up to A3
12. 100-sheet dual side ADF supports media sizes up to A3
13. 8.0-inch color touchscreen display (20.3 cm)
14. Power button
15. Hardware Integration Pocket (for connecting accessory and third-party devices)<sup>2</sup>
16. Right door access to the print path
17. 100-sheet multipurpose tray 1 supports media sizes up to A3
18. 520-sheet tray 2 supports media sizes up to B4
19. Optional 2 x 520-sheet dual tray/stand supports media sizes up to A3



## Series at a glance

<b>Model</b>	HP Color LaserJet Managed MFP E785dn	
<b>Product number</b>	5QJ83A	5QJ83A (Base) + 8EP54AAE (23 to 28 ppm Speed license)
<b>Print speed (A4 and letter, black and color)<sup>3</sup></b>	Up to 23 ppm	Up to 28 ppm
<b>Scan speed (A4 and letter, black and color)<sup>4</sup></b>	60 ppm/120 ipm, simplex/duplex (both models)	
<b>Functions</b>	Print, copy, and scan (fax and wireless optional) (both models)	

<sup>1</sup>An administrator must enable the easy-access USB port before use.

<sup>2</sup>Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.

<sup>3</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>4</sup>Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

## Top features

Get more done faster with leading printing, scanning and copying speeds, maximum uptime – powered by HP’s custom designed quad-core processor. Tailored on-device and cloud connected solutions to help optimize your workflows with flexibility to support your workforce today and evolve to meet your demands for tomorrow. HP Wolf Enterprise Security provides the world’s most secure printing through industry leading multi-layer, self-healing security that protects, detects, and adapts to new threats.<sup>1</sup> We keep trouble out so you can keep your business running. Save resources with our energy efficient printing that meets EPEAT Gold, Blue Angel and Energy Star standards; supporting HP’s goal for carbon neutrality and a fully sustainable economy.

## Services and Solutions

<b>Service and Support</b>	<p><b>U09LGE</b> HP 1 year Next Business Day with DMR Service for Color LaserJet Managed MFP E785xx</p> <p><b>U35JXE</b> HP 3 year Next Business Day with DMR Service for Color LaserJet Managed MFP E785xx</p> <p><b>U36LFE</b> HP 4 year Next Business Day with DMR Service for Color LaserJet Managed MFP E785xx</p> <p><b>U36LGE</b> HP 5 year Next Business Day with DMR Service for Color LaserJet Managed MFP E785xx</p> <p><b>U36LRPE</b> HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E785xx</p> <p><b>U36LSPE</b> HP 2 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E785xx</p> <p><b>U36LME</b> HP 3 year Parts Exchange Service for Color LaserJet Managed MFP E785xx (Managed Component Only)</p> <p><b>U36LNE</b> HP 4 year Parts Exchange Service for Color LaserJet Managed MFP E785xx (Managed Component Only)</p> <p><b>U36LQE</b> HP 5 year Parts Exchange Service for Color LaserJet Managed MFP E785xx (Managed Component Only)</p> <p><b>U36LWPE</b> HP 1 year PW Parts Exchange Service for Color LaserJet Managed MFP E785xx (Managed Component Only)</p> <p><b>U36LXPE</b> HP 2 year PW Parts Exchange Service for Color LaserJet Managed MFP E785xx (Managed Component Only)</p>
<b>Solutions</b>	<p><b>Security:</b> HP Access Control; HP Security Manager; HP Advance; HP Secure Print and Insights</p> <p><b>Mobile and universal print:</b> HP Universal Print Driver (UPD); HP Print for Chrome Extension; HP Smart UPD; HP For Universal Print Workpath App</p> <p><b>Management:</b> HP Web JetAdmin; HP Smart Device Services (SDS); Embedded Web Server; HP Custom Color Manager; HP Command Center; HP Smart Printer Administrator’s Resource Kit</p>

Accessories	<p>155P7A HP LaserJet InnerFinisher 2/3 Hole Punch  155P8A HP LaserJet InnerFinisher 2/4 Hole Punch  155P9A HP LaserJet Inner Finisher Swedish Hole Punch  190A0A HP Color LaserJet Workgroup Lunar Gray Color Panel  190A6A HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Lunar Gray Color Panel  190A9A HP LaserJet Workgroup Stand Lunar Gray Color Panel  190B0A HP Color LaserJet Workgroup Comet Red Color Panel  190B6A HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Comet Red Color Panel  190B9A HP LaserJet Workgroup Stand Comet Red Color Panel  190C0A HP Color LaserJet Workgroup Cosmic Green Color Panel  190C6A HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Cosmic Green Color Panel  190C9A HP LaserJet Workgroup Stand Cosmic Green Color Panel  190D0A HP Color LaserJet Workgroup Constellation Yellow Color Panel  190D6A HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Constellation Yellow Color Panel  190D9A HP LaserJet Workgroup Stand Constellation Yellow Color Panel  190F0A HP Color LaserJet Workgroup Aurora Purple Color Panel  190F6A HP LaserJet Workgroup 2x520 sheet Paper Tray/Stand Aurora Purple Color Panel  190F9A HP LaserJet Workgroup Stand Aurora Purple Color Panel  2MU47A HP Accessibility Assistant  2NR12A HP Removable Hard Drive Enclosure  2TD64A HP Accessibility Kit  35H11A HP HID Mobile Access Mifare DES Fire Keystroking Reader  3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory  478C2A HP Printing Voice Assistant  4QL32A HP Legic Secure USB Reader  5QK14A HP MFP 810 Analog Dual Fax  6GW46A HP LaserJet 2x520 sheet Workgroup Paper Tray/Stand  6GW49A HP LaserJet Inner Finisher  6GW52A HP LaserJet Workgroup Job Separator  6GW54A HP LaserJet Workgroup Stand  7ZA07A HP MFP 811 Analog Dual Fax  7ZA08A HP MFP 800 Analog Single Fax  7ZA09A HP MFP 801 Analog Single Fax  8FP31A HP Jetdirect LAN Accessory  BSL31A HP Foreign Interface Harness  X3D03A HP USB Universal Card Reader  Y1G13A HP LaserJet Inner/Booklet Staples  Y1G22A HP LaserJet Paper Tray Heaters Accessory  Y1G23A HP LaserJet Second Exit Accessory  Y7C05A HP HIP2 Keystroke Reader  Y7C07A HP SIM for HID iClass for HIP2 Reader</p>
Speed Licenses	8EP54AAE HP Color LaserJet Managed MFP E785 23 to 28ppm License
Supplies	<p>W9059MC HP W9059MC Black Managed Original LaserJet Imaging Drum  W9120MC HP W9120MC Black Managed LaserJet Toner Cartridge  W9121MC HP W9121MC Cyan Managed LaserJet Toner Cartridge  W9122MC HP W9122MC Yellow Managed LaserJet Toner Cartridge  W9130MC HP W9130MC High Yield Black Managed LaserJet Toner Cartridge (~25,000 pages)  W9131MC HP W9131MC High Yield Cyan Managed LaserJet Toner Cartridge (~20,000 pages)  W9132MC HP W9132MC High Yield Yellow Managed LaserJet Toner Cartridge (~20,000 pages)  W9133MC HP W9133MC High Yield Magenta Managed LaserJet Toner Cartridge (~20,000 pages)</p>

## Technical specifications

Functions	Print, copy, scan, fax (optional)		
Print speed <sup>1,2</sup>	A4 Black	Up to 23 ppm	Up to 28 ppm (with 8EP54AAE)
	A4 Color	Up to 23 ppm	Up to 28 ppm (with 8EP54AAE)
	First page out A4 Black	As fast as 10.7 sec	As fast as 9.6 sec (with 8EP54AAE)
	First page out A4 Color	As fast as 13.0 sec	As fast as 11.6 sec (with 8EP54AAE)
Print resolution	Black (best): Up to 1200 x 1200 dpi reduced speed; Black (normal): Up to 600 x 600 dpi; Black (fine lines): Up to 1200 x 1200 dpi reduced speed; Color (normal): Up to 600 x 600 dpi; Color (fine lines): Up to 1200 x 1200 dpi		
Print technology	Laser; Optical: Normal (600 x 600 4 bit); Best (1200 x 1200 1 bit)		
Print cartridges number	4 (1 each black, cyan, magenta, yellow)		
Standard print languages	HP PCL 5c, 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		
Color scanning	Yes		
Scan speed Normal <sup>3</sup>	Up to 60 ppm/120 ipm (b&w), up to 60 ppm/120 ipm (color) Duplex: Up to 120 ipm (b&w), up to 120 ipm (color)		
Scan type / Technology	ADF; Flatbed / Contact Image Sensor (CIS)		
Scan resolution	Hardware: Up to 600 x 600 dpi; Optical: Up to 600 x 600 dpi		
Scan file format	PDF, Hi-Compression PDF, PDF/A, JPEG, TIFF, MTIFF, XPS		
Scan input modes	Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications		
Scan Size	ADF Maximum: 297 x 420 mm; ADF Minimum: 105 x 127 mm; Flatbed: 297 x 432 mm;		
Duplex ADF scanning	Yes, single pass duplex scanning		
ADF capacity	Standard, 100 sheets		
Twain version	Version 2.4		
Bit depth / Grayscale levels	24-bit/256		
Digital sending standard features	Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten		
Copy speed	A4 Black	Up to 23 cpm	Up to 28 cpm (with 8EP54AAE)
	A4 Color	Up to 23 cpm	Up to 28 cpm (with 8EP54AAE)
	A4 Black Duplex	Up to 16 cpm	Up to 21 cpm (with 8EP54AAE)
	A4 Color Duplex	Up to 16 cpm	Up to 21 cpm (with 8EP54AAE)
	First copy out A4 Black	As fast as 7.3 sec	As fast as 6.0 sec (with 8EP54AAE)
	First copy out A4 Color	As fast as 9.5 sec	
Copy resolution	Black (text and graphics):; Up to 600 x 600 dpi; Color (text and graphics): Up to 600 x 600 dpi		
Maximum number of copies	Up to 9999 copies		
Copier resize	25 to 400%		
Copier settings	Auto-fit; Booklet; Collation; Content orientation; Edge Erase; Image adjustment; Job build; N or Z-ordering; N-up; Optimize; Two-sided copy; Watermark; reduce/enlarge; Scan mode (book, 2-sided ID); Stamps; Image overlay; Image shift; Image preview; Paper selection; Blank page suppression; Scan to job storage		
Fax speed	Up to: 33.6 kbps		
Fax resolution	Black (best): Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); Black (standard): 203 x 98 dpi		
Fax Features	Fax memory: Up to 500 pages; Up to 500 pages Auto fax reduction supported: Yes Auto-redialing: Yes Fax delayed sending: No Distinctive ring detection supported: No Fax forwarding supported: Yes Fax phone TAM interface supported: No Fax polling supported: Yes (poll to receive only) Fax telephone mode supported: No Junk barrier supported: Yes Maximum speed dialing numbers: Up to 1000 numbers (each with 210 destinations) PC interface supported: Yes Remote retrieval capability supported: No Telephone handset supported: No		
Standard connectivity	1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (device); 1 Hi-Speed USB 2.0 (host); 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; NFC Touch-to-print (optional); PrinterOn Print		
Memory	Standard:6GB; Maximum:6GB		
Processor speed	Quad Core (1.6GHz)+Dual Core (1.4GHz) / Hard disk: Standard, 32GB eMMC; Optional, HP LaserJet 500GB Hard Disk Drive; AES 256 hardware encryption; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk)		
Duty cycle (monthly)	A4:	Up to 60,000 pages	Up to 80,000 pages (with 8EP54AAE)
Recommended monthly page volume	Up to 16,000		

## Technical specifications

Paper handling	<b>Input Capacities:</b> Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to 520 sheets; Tray3: up to 520 sheets) Standard; Up to 10 envelopes; <b>Input Capacities, Max:</b> Up to 2180 sheets (Tray1: up to 100 sheets; Tray 2, 3, 4 & 5: up to 520 sheets); <b>Output Capacities:</b> Up to 500 sheets Standard; Up to 100 sheets Transparencies; <b>Duplex Options:</b> Automatic; <b>Envelope feeder:</b> No; <b>Standard paper trays:</b> 3
Media types supported	Plain, HP EcoFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g, Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, Card stock 176-220g, Color Transparency, Labels, Letterhead, Envelope, Preprinted, Pre-punched, Colored
Media weight supported	Tray 1: 60 to 176 g/m <sup>2</sup> ; Tray 2, 3: 60 to 220 g/m <sup>2</sup>
Media sizes supported	<b>Tray 1:</b> A3, A4, A4R, A5, A5R, A6, RA4, B4 (JIS), B5 (JIS), B6 (JIS), Oficio, 8K, 16k, Postcard, Postcard (JIS), Envelope B5, Envelope C5, Envelope C6, Envelope DL; <b>Tray 2:</b> A4, A4R, A5, RA4, SRA4, B4 (JIS), B5 (JIS), Oficio, 16k; <b>Tray 3:</b> A3, A4, A4R, A5, RA4, SRA4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k
Media Sizes Custom	Tray 1: 98 x 148 mm to 297 x 432 mm; Tray 2: 139.7 x 210 mm to 297 x 364 mm; Tray 3: 139.7 x 210 mm to 297 x 432 mm
What's in the box	<b>5QJ83A</b> HP Color LaserJet Managed MFP E785dn; in box materials, Guide install; Flyer Regulatory; Power Cords; Label; Drums
Replacement cartridges <sup>4</sup>	HP Black Managed LaserJet Toner Cartridge (ISO Yield 12,500) W9120MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 10,000) W9121MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 10,000) W9122MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 10,000) W9123MC; HP Black Managed LaserJet Toner Cartridge (ISO Yield 25,000) W9130MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 20,000) W9131MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 20,000) W9132MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 20,000) W9133MC
Product dimensions	<b>W x d x h:</b> 566 x 646 x 848 mm; 566 x 646 x 848 mm <b>Maximum:</b> 1369 x 1196 x 1171 mm;
Product weight	77.8 kg;
Warranty features	1 Year Parts Only. Extended Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.
Energy star certified	Yes
Ecolabels	Blue Angel; IT ECO Declaration; EPEAT <sup>®</sup> registered
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker
Display description	8-in (20.3 cm) touchscreen, XGA Color Graphic Display (CGD)
Software included	No software solutions are included in the Box only on <a href="http://hp.com">http://hp.com</a> <a href="http://123.hp.com">http://123.hp.com</a>
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, HT TPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, SSL/TLS (HT TPS), 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
Compatible operating systems	Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey
Compatible network operating systems	Windows Server; Linux; Citrix; UNIX; Novell
Minimum system requirements	<b>PC:</b> 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>Mac:</b> 2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see <a href="http://apple.com">apple.com</a>
Power <sup>5</sup>	<b>Power supply type:</b> Internal (Built-in) power supply; <b>Power requirements:</b> Input voltage: 220 to 240 VAC 50/60 Hz; <b>Power consumption:</b> 600 watts (23ppm, printing), 700 watts (28ppm, printing), 27.0 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off)
Acoustics	<b>Acoustic power emissions:</b> 6.58 Bel(A), printing color simplex A4 at 23ppm; 6.70 Bel(A), printing color simplex A4 at 28ppm; <b>Acoustic Pressure Emissions (active, printing):</b> 50 dB(A), printing color simplex A4 at 23ppm; 53 dB(A), printing color simplex A4 at 28ppm; <b>Acoustic Pressure Emissions (active scan):</b> 53 dB(A), ADF scan A4 at 60ipm
Operating environment	<b>Operating temperature range:</b> 15 to 30°C; <b>Recommended operating temperature:</b> 15 to 30°C; <b>Storage temperature range:</b> -10 to 40°C; <b>Operating humidity range:</b> 20 to 80% RH; <b>Recommended humidity operating range:</b> 20 to 80% RH

### Messaging Footnotes

<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 2021 published features of competitive in-class printers. Only HP offers a combination of security features to 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: <https://www.hp.com/go/PrintersThatProtect>. For more information, visit: <https://www.hp.com/go/PrinterSecurityClaims>.

<sup>2</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

<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> Based on HP review of competitive manufacturer's published app platform specifications as of April 2019. Only HP Workpath offers a combination of app validation upon submission plus automated re-validation of apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Subscription may be required.

<sup>5</sup> HP Security is now HP Wolf Security. Security features vary by platform. For more information, visit <http://www.hp.com/wolfsecurity>.

<sup>6</sup> Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019-2024. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: <https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf>.

<sup>7</sup> 100% outer fiber-based packaging and internal fiber-based cushions made from sustainably sourced certified and recycled fibers.

<sup>8</sup> 100% of Original HP Toner Cartridges contain between 1-77% post-consumer or post-industrial recycled content. Does not include toner bottles or other products not listed. See <https://www.hp.com/go/TonerRecycledContent> for list. Hardware based: Post-consumer recycled is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2, and is expressed as percent of total weight of plastic.

<sup>9</sup> HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines. EPEAT<sup>®</sup> registered where applicable. EPEAT registration varies by country. See <https://www.epeat.net> for registration status by country.

<sup>10</sup> HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.

### Technical Specifications Footnotes

<sup>1</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>2</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>3</sup> Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.

<sup>4</sup> Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see <http://www.hp.com/go/learnaboutsupplies>.

<sup>5</sup> Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).

