



HP LaserJet Managed MFP E52645 series

Handle business solutions securely, plus help conserve energy with HP EcoSmart toner.

Choose an HP LaserJet Enterprise MFP designed to handle business solutions securely and efficiently, and helps conserve energy with HP EcoSmart black toner. Keep up with the demands of growing business with a printer you can rely on.⁸

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 Managed MFP E52645dn



HP LaserJet Managed Flow MFP E52645c

The world's most secure printing¹

- Each printer in your fleet checks its operating code and repairs itself from attacks.
- Your printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.
- Memory activity is monitored to continually detect and stop attacks.
- Firmware is automatically checked during startup to determine if it's authentic code—digitally signed by HP.

Low costs, low energy use

- Stay productive with reliable cartridges, and help save energy while printing with HP EcoSmart black toner.⁸
- Spend less time replacing toner, and more on business. Choose optional high-yield toner cartridges.²
- Enhanced energy savings—up to 29% over prior products⁸ plus save with Auto-on/Auto-off technology.³
- This MFP fits in tight places to boost performance in almost any workspace.

Your whole fleet. At your control.

- Centralize control of your printing environment with HP Web Jetadmin⁴—and help build business efficiency.
- Gain insights into print costs, behaviors, utilization to drive efficiencies with this cloud-based printer.
- Set security configuration policies and automatically validate settings for every HP printer in your fleet.⁵
- Submit print jobs on the go and securely release them at any HP Roam-enabled office printer, securely.⁷

Give workgroups the speed they need

- Help workgroups capture every page easily and detect potential errors or missed pages—every time.
- Enter data more quickly and accurately using the pull-out keyboard.
- Help ensure every scanned document is properly oriented, cropped to size, and grayscale-optimized.
- Load up to 100 pages into the automatic document feeder for fast, unattended scanning.

¹ Based on HP review of 2018 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: <http://www.hp.com/go/printersecurityclaims> ² High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately ³ HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings. ⁴ HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin> ⁵ HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit <http://www.hp.com/go/securitymanager> ⁶ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. ⁷ To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit hp.com/go/roam ⁸ HP calculations based on Energy Star normalized TEC data comparing the HP LaserJet 500 series monochrome printers introduced in spring 2019 HP 89A/X/Y compared to HP 87A/X.

Product walkaround

1. 100-sheet ADF with single-pass, two-sided scanning and HP EveryPage¹
2. 2nd generation Hardware Integration Pocket²
3. Easy-access USB port³
4. 250-sheet output bin
5. Top cover (access to Original HP JetIntelligence toner cartridge)
6. 100-sheet multipurpose tray 1 supports media sizes up to 216 x 356 mm
7. 550-sheet input tray 2 supports media sizes up to 216 x 356 mm
8. 20.3 cm (8.0 inch) pivoting color touchscreen
9. Pull-out keyboard¹
10. Convenience stapler⁴
11. Automatic two-sided printing
12. HP High-Performance Secure Hard Disk⁵
13. Slot for cable-type security lock
14. Gigabit Ethernet
15. Hi-Speed USB 2.0 printing port
16. USB port for connecting external USB devices



Series at a glance



Model	HP LaserJet Managed MFP E52645dn	HP LaserJet Managed Flow MFP E52645c
Product Number	1PS54A	1PS55A
Print speed (black) ⁶	Up to 45/43 pages per minute (ppm) (letter/A4)(both models)	
First page out (from ready) ⁷	As fast as 6.0/6.0 seconds (letter/A4) (both models)	
100-page ADF with single-pass, two-sided scanning	√	
100-sheet multipurpose tray 1, 550-sheet input tray 2	√	
Optional 550-sheet input tray	Add up to three	
Optional printer cabinet	√	
Input capacity (standard/maximum ⁸)	Up to 650/2,300 sheets	
Advanced workflow features, including pull-out keyboard and HP EveryPage ¹	Not available	√
Convenience stapler ⁴	Not available	√
HP High-Performance Secure Hard Disk ⁵	Optional	√
Recommended monthly page volume ⁹	4,000 to 15,000 pages	
Managed Cartridge yields	Black: ~23,000 pages ¹⁰	
Optional wireless printing ¹¹ /NFC touch-to-print ¹²	√	

¹ Advanced workflow features are available on the Flow MFP E52545c model only and include HP EveryPage, a pull-out keyboard, embedded capture functionality, built-in OCR, plus automatic page orientation, cropping, and tone adjustment. ² Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. The HP LaserJet Managed MFP E52645 series comes with a second-generation HIP. ³ An administrator must enable the easy-access USB port before use. ⁴ The convenience stapler is only available on the Flow MFP E52645c model. ⁵ The encrypted HP High-Performance Secure Hard Disk is optional on the HP LaserJet Managed MFP E52645dn and standard on the HP LaserJet Managed Flow MFP E52645c model. ⁶ Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. ⁷ Measured using ISO/IEC 17629. For more information, see hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. ⁸ Purchase of optional paper trays required to reach maximum input capacity. ⁹ Recommended Monthly Page Volume: HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. ¹⁰ Average black declared yields based on ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see hp.com/go/learnaboutsupplies. HP Managed Cartridges are not included in printer purchase, purchase separately. ¹¹ Wireless networking requires purchase of the HP Jetdirect 2900nw Print Server. Wireless performance is dependent on physical environment and distance from access point and may be limited during active VPN connections. ¹² Touch-to-print capability requires purchase of the optional HP Jetdirect 3100w BLE/NFC/Wireless Accessory. Mobile device must support Near Field Communication (NFC)-enabled printing. For more information, see hp.com/go/businessmobileprinting.

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

HP printers have the industry's strongest security¹ because they're always on guard, continually detecting and stopping threats while adapting to new ones. And only HP printers automatically self-heal from attacks, so IT doesn't need to intervene.

Good resource management is good business. Help reduce costs and energy use with an HP LaserJet designed to be more efficient than its predecessors, using HP JetIntelligence toner cartridges. HP, like you, is committed to keeping business moving.

Every business values a problem solver. Help get more control with a robust management system and solutions that keep up with modern business.

Accelerate workflow, improve accuracy, and easily connect people throughout your organization. Complete high-volume scan jobs super-fast—up to 60 ipm⁶—and avoid extra steps with a Flow MFP designed for maximum productivity.

Accessories

2EH31A	HP MFP Analog Fax Accessory 700
2MU47A	HP Accessibility Assistant
2NR12A	HP Removable Hard Drive Enclosure
2TD64A	HP Accessibility Kit
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
5EL03A	HP TAA Version Secure Hard Disk Drive
B5L28A	HP Internal USB Ports
B5L29A	HP High-Performance Secure Hard Disk
B5L31A	HP Foreign Interface Harness
E5K48A	HP 1 GB x32 144-pin (800 MHz)DDR3 SODIMM
E5K49A	HP 2 GB x32 144-pin (800 MHz) DDR3 SODIMM
F2A72A	HP LaserJet 550-sheet Paper Tray
F2A73A	HP LaserJet Printer Cabinet
J8031A	HP Jetdirect 2900nw Print Server

Supplies

CF289A	HP 89A Black Original LaserJet Toner Cartridge (~5,000 pages)
CF289X	HP 89X High Yield Black Original LaserJet Toner Cartridge (~10,000 pages)
CF289Y	HP 89Y Extra High Yield Black Original LaserJet Toner Cartridge (~20,000 pages)

Services

UB7D2E	- HP 3 years Next Business Day w/DMR LaserJet E52645 MNGD SVC
UB7D3E	- HP 4 years Next Business Day w/DMR LaserJet E52645 MNGD SVC
UB7D4E	- HP 5 years Next Business Day w/DMR LaserJet E52645 MNGD SVC
UB7D5E	- HP 3 years 4 hours 9x5 w/DMR LaserJet E52645 MNGD SVC
UB7D6E	- HP 4 years 4 hours 9x5 w/DMR LaserJet E52645 MNGD SVC
UB7D7E	- HP 5 years 4 hours 9x5 w/DMR LaserJet E52645 MNGD SVC
UB7D8E	- HP 3 years ChnlPartsOnly LaserJet E52645 MNGD SVC
UB7D9E	- HP 4 years ChnlPartsOnly LaserJet E52645 MNGD SVC
UB7E0E	- HP 5 years ChnlPartsOnly LaserJet E52645 MNGD SVC
UB7E1PE	- HP 1 year PW Next Business Day w/DMR LaserJet E52645 MNGD SVC
UB7E2PE	- HP 2 years PW Next Business Day w/DMR LaserJet E52645 MNGD SVC
UB7E3PE	- HP 1 year PW 4 hours 9x5 w/DMR LaserJet E52645 MNGD SVC
UB7E4PE	- HP 2 years PW 4 hours 9x5 w/DMR LaserJet E52645 MNGD SVC
UB7E5PE	- HP 1 year PW ChnlPartsOnly LaserJet E52645 MNGD SVC
UB7E6PE	- HP 2 years PW ChnlPartsOnly LaserJet E52645 MNGD SVC



¹ Based on HP review of 2018 published security features of competitive in-class printers. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For a list of printers, visit hp.com/go/PrintersThatProtect. For more information: <http://www.hp.com/go/printersecurityclaims> ² High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately. ³ HP Auto-On/Auto-Off Technology capabilities are subject to printer and settings. ⁴ HP Web Jetadmin is available for download at no additional charge at <http://www.hp.com/go/webjetadmin> ⁵ HP JetAdvantage Security Manager must be purchased separately. To learn more, please visit <http://www.hp.com/go/securitymanager> ⁶ Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software. ⁷ To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit hp.com/go/roam ⁸ HP calculations based on Energy Star normalized TEC data comparing the HP LaserJet 500 series monochrome printers introduced in spring 2019 HP 89A/X/Y compared to HP 87A/X.

HP LaserJet Managed MFP E52645 series

Model	HP LaserJet Managed MFP E52645dn	HP LaserJet Managed Flow MFP E52645c
Product number	1PS54A	1PS55A
All functions	Print, copy, scan and optional fax	
Print		
Print speed ^{15,13,14}	First page out Letter: As fast as 6 sec Black; First page out A4: As fast as 6 sec Black; Letter: Up to 45 ppm Black; A4: Up to 43 ppm (default); Up to 50 ppm (HP High Speed) Black; 2-sided Letter: Up to 36 ipm Black; 2-sided A4: Up to 34 ipm Black; Print speed (Landscape, A5): Up to 65 ppm Black	First page out Letter: As fast as 6 sec Black; First page out A4: As fast as 6 sec Black; Letter: Up to 45 ppm Black; A4: Up to 43 ppm (default); Up to 50 ppm (HP High Speed) Black; 2-sided Letter: Up to 36 ipm Black; 2-sided A4: Up to 34 ipm Black; Print speed (Landscape, A5): Up to 65 ppm Black
Print resolution	Black (best) Up to 1200 x 1200 dpi; Black (normal) Up to 600 x 600 dpi; Black (fine lines) Up to 1200 x 1200 dpi	
Print technology	Laser; Print resolution technology: 300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200	
Print cartridges number	1 (black)	
Standard print languages	HP PCL 6, HP PCL 5 (HP PCL 5 driver available from the Web only), 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, easy-access USB	
Printer management	HP Printer Assistant; HP Device Toolbox; HP Web JetAdmin Software; HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver employment Utility - Managed Printing Administrator)	
HP Sure Supply	No	
Scan		
Scan type / Technology	Type: Flatbed, ADF; Technology: Contact Image Sensor (CIS)	
Scan resolution	Hardware: Up to 600 x 600 dpi; Optical: Up to 600 dpi	
Scan file format	PDF, JPEG, TIFF, MTIFF, xPS, PDF/A	Digital Send: PDF, JPEG, TIFF, MTIFF, xPS, PDF/A, TeXt (OCR), Unicode TeXt (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Scan to easy access USB: PDF, JPEG, TIFF, MTIFF, xPS, PDF/A, TeXt (OCR), Unicode TeXt (OCR), RTF (OCR), Searchable PDF (OCR), Searchable PDF/A (OCR), HTML (OCR), CSV (OCR); Print from easy access USB: PDF, PS, Print Ready files (.prn, .pcl, .cht)
Scan input modes	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (OxP) applications	
Scan Size	ADF: 216 x 864 mm Maximum; 101.6 x 148 mm Minimum; Flatbed: 216 x 356 mm	
Scan speed ¹³	Up to 43 ppm/43 ipm (b&w), up to 38 ppm/38 ipm (color) Letter; Up to 43 ppm/43 ipm (b&w), up to 38 ppm/38 ipm (color) A4; Duplex: 45 ipm (b&w), up to 40 ipm (color) Letter; 43 ipm (b&w), up to 38 ipm (color) A4	Up to 45 ppm/45 ipm (b&w), up to 45 ppm/45 ipm (color) Letter; Up to 45 ppm/45 ipm (b&w), up to 45 ppm/45 ipm (color) A4; Duplex: Up to 68 ipm (b&w), up to 60 ipm (color) Letter; Up to 64 ipm (b&w), up to 58 ipm (color) A4
Scanner advanced features	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets	Optimize text/picture; Image adjustments; Job build; Output quality setting; Selectable scan resolution 75 to 600 dpi; Auto detect color; Edge Erase; Job notification; Blank page suppression; HP Quick Sets; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone
Bit depth / Grayscale levels	24-bit / 256	
Digital sending standard features	Scan to E-mail; Save-to-Network Folder; Save-to-USB drive; Send to FTP; Send to Internet Fax; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF	Scan to E-mail; Scan to Sharepoint; Save-to-Network Folder; Save-to-USB drive; Send to Sharepoint; Send to FTP; Send to LAN Fax; Send to Internet Fax; OCR; Local Address Book; SMTP over SSL; Blank Page Removal; Edge Erase; Auto Color Sense; Auto Crop To Content; Compact PDF; Auto Tonescale; Auto Orientation; Multi-Pick Detect; Auto Straighten; Auto Crop To Page; OCR
Copy		
Copy speed	Letter: Up to 45 cpm (default); Up to 52 cpm (HP High Speed) Black; A4: Up to 43 cpm (default); Up to 50 cpm (HP High Speed) Black; First copy out Letter: As fast as 6.5 sec Black; First copy out A4: As fast as 6.5 sec Black; 2-sided Letter: Up to 36 cpm Black; 2-sided A4: Up to 34 cpm Black	
Copy resolution	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	Two-sided copying; scalability; image adjustments (darkness, contrast, background cleanup, sharpness); N-up; N or Z-ordering; content orientation; collation; booklet; job build; edge-to-edge job storage; ID Copy; Book Copy; A-to-B Copy (different media sizes)	
Fax		
Fax speed	3 sec per page 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; 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	
Connectivity		
Standard connectivity	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit Ethernet; 1 Hardware Integration Pocket	
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); Optional 802.11a/b/g/n wireless networking and second Ethernet port.	
Wireless capability	Optional, enabled with purchase of a wireless hardware accessory. Single band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3000w NFC/Wireless Accessory J8030A, Dual band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A, Dual band Wireless Station functionality available with HP Jetdirect 2900nw Print Server J8031A	
Mobile printing capability ⁶	HP ePrint; Apple AirPrint™; Mopria™ Certified; Google Cloud Print™	
Memory	Standard: 1.25 GB (printer); 512 MB (Scanner); Maximum: 3.75 GB MAX memory, when Accessory DIMM is installed	
Processor speed	1.2 GHz / Storage: 16 GB eMMC / Hard disk: 16 GB EMMC	1.2 GHz / Storage: 500 GB hard disk drive / Hard disk: Standard, minimum 500 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)
Duty cycle (monthly)	Letter: Up to 150,000 pages; A4: Up to 150,000 pages; Recommended monthly page volume ⁸ : 4000 to 15000	

HP LaserJet Managed MFP E52645 series

Model	HP LaserJet Managed MFP E52645dn	HP LaserJet Managed Flow MFP E52645c
Product number	1PS54A	1PS55A
Paper handling	100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing; Up to 650 sheets Standard; Up to 10 envelopes	
Input	Standard: 250-sheet output bin; Up to 250 sheets Standard; Transparencies: Up to 75 sheets	
Output	Standard: 250-sheet output bin, convenience stapler; Up to 250 sheets Standard; Transparencies: Up to 75 sheets	
Duplex Options	Automatic (standard)	
Auto document feeder capacity	Standard, 100 sheets; Duplex ADF scanning: Yes, single pass duplex scanning	
Envelope feeder	No	
Standard paper trays	2	
Media types	Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined	
Media weight	Tray 1: 60 to 200 g/m ² ; tray 2+: 60 to 120 g/m ²	
Media sizes	Tray 1: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), 10 x 15 cm, Oficio (216 x 340), 16K, postcards (JIS single and double), envelopes (B5, C5, C6, DL); Tray 2: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), Oficio (216 x 340), 16K, postcards (JIS double); Optional 550-sheet Tray: A4, A5, A6, RA4, B5 (JIS), B6 (JIS), Oficio (216 x 340), 16K, postcards (JIS double); Optional Automatic Duplexer: A4, RA4, Oficio (216 x 340)	
Media Sizes Custom	Tray 1: 76.2 x 127 to 215.9 x 355.6 mm; Tray 2: 105 x 148 to 215.9 x 355.6 mm; Optional 550-sheet Tray: 105 x 148 to 215.9 x 355.6 mm	
Dimensions (w x d x h)	18.98 x 19.52 x 19.55 in; 482 x 496 x 497 mm; Maximum: 19.96 x 24.83 x 19.55 in; 507 x 631 x 497 mm	
Weight ³	47.56 lb; 21.41 kg	49.16 lb; 22.13 kg
What's in the box ²	HP LaserJet Managed E52645dn MFP; HP Original LaserJet Introductory Toner Cartridge (~ 7,500 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas; Fax cable (AP only)	HP LaserJet Managed E52645c MFP; HP Original LaserJet Introductory Toner Cartridge (~ 7,500 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas; Fax cable (AP only)
Replacement cartridges ⁵ Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit: http://www.hp.com/go/learnaboutsupplies	HP Black Managed LaserJet Toner Cartridge (~23,000 pages) W9008MC	
Warranty features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Contact your Contractual Vendor or go to hp.com/support to learn about HP award winning service and support options in your region. (wty code 4G; wty ID A001)	
Energy star certified	Yes	
Energy efficiency compliance ¹	ENERGY STAR [®] qualified; EPEAT [®] Silver; CECP; Blue Angel DE-UZ-205	EPEAT [®] Gold; ENERGY STAR [®] qualified; CECP; Blue Angel DE-UZ-205
Control panel	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Integrated Keyboard
Display	8.0 in (20.3 cm) touchscreen (1024x768) LCD (color graphics); smooth gesture enabled touchscreen	
Software included	No software solutions are included in the Box, only on http://hp.com , http://123.hp.com	
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 available at http://www.hp.com/go/laserjetfonts	
Compatible operating systems ¹	Windows 11; Windows 10; Windows 8; Windows 8.1; Windows 7; Windows Client OS; Android; iOS; Mobile OS; macOS 10.12 Sierra; macOS 10.13 High Sierra; macOS 10.14 Mojave	
Compatible network operating systems	Windows 11; Windows Server; Linux; Citrix; UNIX; Novell	
Minimum system requirements	PC: 2 GB available hard disk space, Internet connection, USB port, Internet browser. For additional OS hardware requirements see microsoft.com ; Mac: 2 GB available hard drive space, Internet connection or USB port, OS hardware requirements see apple.com	
Power ⁹	Power supply type: Built-in 115V or 220V Power Supply; Power supply required: Input voltage: 100V to 127V nominal (+/-10%), 50 - 60 Hz nominal (+/-3Hz), 7.5 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60Hz nominal (+/-3Hz), 4 A. Not dual voltage, power supply varies by part number with # Option code identifier.; Power consumption: 629 watts (Printing), 28.8 watts (Ready), 5.28 watts (Sleep), 0.74 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off); Typical electricity consumption (TEC) number: 1.414 kWh/Week (Blue Angel); 0.446 kWh/Week (Energy Star 3.0); Best technical electricity consumption (TEC): 1.414 kWh/week	
Acoustics ⁷	Acoustic power emissions: 6.8 B(A)	
Operating environment	Operating temperature range: 15 to 30°C; Recommended operating temperature: 15 to 30°C; Storage temperature range: -20 to 40°C; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% 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; and Kerberos authentication; Supports WPA-10 IPsec configuration Plug-in; 802.1x authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; hardware integration pocket for security solutions; Intrusion Detection with Red Balloon Security Technology - Constant in-device monitoring for attacks; SureStart Secure Boot - BIOS Integrity Checking with self-healing capability; Whitelisting - loads only known good code (DLLs, ExEs, ...); Connection Inspector - helps ensure network connections to device are safe, Security management: Compatible with HP JetAdvantage Security Manager, HP Printer Security Plugin for Microsoft SCCM, Device Security Syslog Messages processed and accessible in ArcSight, Splunk, and McAfee(E5M) SIEMs	

¹ EPEAT[®] registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. ² In box cartridge yields 7,500 black pages based on ISO/IWC 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>. ³ With print cartridges ⁴ 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. Power consumption values typically based on measurement of 115V device. ⁵ Declared yield value in accordance with ISO/IEC 19752. Actual yields vary considerably based on images printed and other factors. For more information, visit: <http://www.hp.com/go/learnaboutsupplies> ⁶ Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm ⁷ 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. ⁸ 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. ⁹ Best TEC is not applicable to ES 2.0 TEC. This measurement was made with the printer configuration optimized for energy efficiency. Minimum sleep delay was used, Wi-Fi Direct was disabled and Active I/O - Energy Efficient Ethernet - was used. ¹⁰ Solution software available on <http://www.123.hp.com> ¹¹ FCC Class A emissions - for use in commercial environments, not residential environments ¹² Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software ¹³ Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/pricerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity. ¹⁴ Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type. ¹⁵ 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.

To learn more, visit hp.com

