Data sheet

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]

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. http://www.hp.com/go/learnaboutsupplies



HP LaserJet Managed Flow MFP E52645c



HP LaserJet Managed MFP E52645dn

The world's most secure printing[1]

- 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 products[8] 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 Jetadmin[4]—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 EveryPage[1]
2. 2nd generation Hardware Integration Pocket[2]
3. Easy-access USB port[3]
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 8.5 x 14 inches (216 x 356 mm)
7. 550-sheet input tray 2 supports media sizes up to 8.5 x 14 inches (216 x 356 mm)
8. 8.0-inch (20.3 cm) pivoting color touchscreen
9. Pull-out keyboard[1]
10. Convenience stapler[4]
11. Automatic two-sided printing
12. HP High-Performance Secure Hard Disk[5]
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

HP LaserJet Managed Flow MFP E52645c



Front view

Close-up of I/O ports

Series at a glance





Functions	HP LaserJet Managed Flow MFP E52645c	HP LaserJet Managed MFP E52645dn
Product Number	1PS55A	1PS54A
Print speed (black)[6]	Up to 45/43 pages per minute (ppm) (letter/A4) (both models)	Up to 45/43 pages per minute (ppm) (letter/A4) (both models)
First page out (from ready)	As fast as 6.0/6.0 seconds (letter/A4) (both models)	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	Add up to three
Optional printer cabinet	√	√
Input capacity (standard/maximum[9])	Up to 650/2,300 sheets	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	4,000 to 15,000 pages
Managed Cartridge yields	Black: ~23,000 pages[10]	Black: ~23,000 pages[10]
Optional wireless printing[11]/ NFC touch-to-print[12]	√	√

[1] Advanced workflow features are available on the Flow MFP E52645c 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.

Next Business Day Onsite with Defective Media Retention:
Customers can retain their hard disk drive and keep control of sensitive data.

For carepack availability visit: hp.com/go/cpc

Top features

HP printers have the industry's strongest security[1] 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 ipm[6]—and avoid extra steps with a Flow MFP designed for maximum productivity.

Accessories

A7W14A	HP LaserJet Keyboard Overlay Kit Sweden
F2A72A	HP LaserJet 550 Sheet Paper Tray
F2A73A	HP LaserJet Printer Cabinet
1PV95A	HP USB Port 100pc M507/M528 Accessory,
5EL03A	HP TAA Version Secure Hard Disk Drive
B5L28A	HP Internal USB Ports
B5L31A	HP Foreign Interface Harness
B5L29A	HP Secure High Performance Hard Disk Drive
2EH31A	HP MFP Analog 700 Fax Accessory
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
J8031A	HP Jetdirect 2900nw Print Server
3JN69A	HP JetDirect 3100w BLE/NFC/Wireless Accessory
E5K48A	HP 1GB DDR3x32 144-Pin 800MHz SODIMM
E5K49A	HP 2GB DDR3x32 144-Pin 800MHz SODIMM
2NR12A	HP Removable Hard Drive Enclosure
2MU47A	Accessibility Assistant
2TD64A	HP Accessibility Kit
X3D03A	HP USB Universal Card Reader
Y7C05A	HP HIP2 Keystroke Reader
4QL32A	HP Legic Card Reader

Supplies

W9008MC	HP Black Managed LaserJet Toner Cartridge (~23,000 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.

HP LaserJet Managed MFP E52645 series

Technical Specifications	HP LaserJet Managed Flow MFP E52645c(1PS55A)	HP LaserJet Managed MFP E52645dn(1PS54A)
AIO functions	Print, copy, scan and optional fax	
Print speed	**Letter:** Up to 45 ppm black; **First Page Out Black (ready):** As fast as 6 sec; **First Page Out Black (sleep) :** As fast as 13 sec	
Print resolution	**Black (best):** Up to 1200 x 1200 dpi	
Print Technology	Laser; **Print Resolution Technologies:** 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)	
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	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)	PDF, JPEG, TIFF, MTIFF, xPS, PDF/A
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	101.6 x 148 mm; 4 x 5.8 in Minimum; **Flatbed:** 216 x 356 mm; Up to 44 ppm/51 ipm (b&w), up to 40 ppm/49 ipm (color)	
Scan Speed	Up to 48 ppm/68 ipm, up to 48 ppm/60 ipm (color) **Duplex:** Up to 68 ipm (b&w), up to 60 ipm (color)	Up to 45 ppm/45 ipm (b&w), up to 40 ppm/40 ipm (color) **Duplex:** 45 ipm (b&w), up to 40 ipm (color)
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; HP EveryPage; Auto orientation; Embedded Optical Character Recognition (OCR), Auto crop to page; Auto-tone	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
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 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	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
Copy Speed	**Black (letter):** Up to 45 cpm	
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	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)	
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	Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; Roam capable for easy printing[6]	
Memory	**Standard:** 1.25 GB (printer); 500 MB (Scanner); **Maximum:** 2.75 GB Max memory, when Accessory DIMM is installed	
Processor Speed	1.2 GHz / **Hard disk:** Standard, minimum 320 GB HP High-Performance Secure Hard Disk (AES 256 hardware encryption or greater)	1.2 GHz / **Hard disk:** 16 GB EMMC
Duty Cycle	**Monthly, A4:** Up to 150,000 pages**Recommended Monthly Page Volume:** 4000 to 15000[8]	
Paper Handling	**Input Capacities:** 100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing; Up to 650 sheets standard; Up to 10 envelopes labels legal; **Output Capacities:** 250-sheet output bin, convenience stapler; Up to 250 sheets standard labels legal; **Duplex Options:** Automatic (standard); **Auto Document Feeder Capacity:** Standard, 100 sheets; **Envelope Feeder:** No; **Standard Paper Trays:** 2; **Media Types Supported:** Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; **Media Weight Supported:** Tray 1: 16 to 53 lb; Tray 2+: 16 to 32 lb; **Media Sizes Supported:** 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; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in; **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	**Input Capacities:** 100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing; Up to 650 sheets standard; Up to 10 envelopes labels legal; **Output Capacities:** 250-sheet output bin; Up to 250 sheets standard labels legal; **Duplex Options:** Automatic (standard); **Auto Document Feeder Capacity:** Standard, 100 sheets; **Envelope Feeder:** No; **Standard Paper Trays:** 2; **Media Types Supported:** Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; **Media Weight Supported:** Tray 1: 16 to 53 lb; Tray 2+: 16 to 32 lb; **Media Sizes Supported:** 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; Optional Automatic Duplexer: letter, legal, 8.5 x 13 in; **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
Product 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	
Product Weight	49.16 lb[3]; 22.13 kg[3]	47.56 lb[3]; 21.41 kg[3]
What's in the box	HP LaserJet Managed Regulatory flyer (CD replacement); Unpack flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/phone number list; Control Panel Overlay Label Sets (only Flow Model)[2]	
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 Efficiency Compliance	EPEAT® Gold; ENERGY STAR® qualified; CECP; Blue Angel DE-UZ-205	ENERGY STAR® qualified; EPEAT® Silver; 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); Integrated Keyboard	8.0-in (20.3 cm) color LCD with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)
Display Description	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	Windows Client OS (32/64 bit), Win10, Win8.1, Win 8 Basic, Win8 Pro, Win8 Enterprise, Win8 Enterprise N, Win7 Starter Edition SP1, UPD Win7 Ultimate, Mobile OS, iOS, Android, Mac, Apple® macOS Sierra v10.12, Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Discrete PCL6 Printer Driver, For more information on the supported operating systems go to http://support.hp.com, Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) User Guide, Search for the Supported Operating Systems section, UPD PCL6 / PS Printer Drivers, Supported Operating systems, For more information on the supported operating systems see www.hp.com/go/upd[11]	
Compatible Network Operating Systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Failover Cluster 2008 R2, Failover Cluster 2012 R2, Terminal server 2008 R2, Remote Desktop server 2012 R2, Citrix Server 6.5, Citrix xenApp & xenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://citrixready.citrix.com, Linux- For more information see http://developers.hp.com/hp-linux-imaging-and-printing, Unix- For more information see http://hp.com/go/unixmodelscripts, UPD PCL6 / PS Printer Drivers, Supported for Compatible Network Operating systems please see http://hp.com/go/upd	
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	**Power Supply Type:** Built-in 115V or 220V Power Supply; **Power Requirements:** Input voltage: 100V to 127V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 7.5 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60 Hz nominal (+/-), 4 A; **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)[4]	
Acoustics	**Acoustic Power Emissions:** 6.8 B(A); **Acoustic Pressure Emissions:** 54 dB(A)[12]	
Operating Environment	**Operating Temperature Range:** 10 to 32.5°C; **Recommended Operating Temperature:** 15 to 27°C; **Storage Temperature Range:** -20 to 40°C; **Operating Humidity Range:** 10 to 80% RH; **Recommended Humidity Operating 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 WJA-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 accessable in ArcSight, Splunk, and McAfee(ESM) 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] To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth® Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB.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 http://hp.com/go/roam [7] Configuration tested: base model, simplex printing, A4 paper at an average of 43 ppm [8] 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. [9] 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. [10] 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. [11] Solution software available on http://www.123.hp.com 12 FCC Class A emissions - for use in commercial environments, not residential environments

Learn more at hp.com

© Copyright 2019 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. ENERGY STAR and the ENERGY STAR logo are registered U.S. marks. Windows is a registered trademark of Microsoft Corporation. AirPrint, iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries

4AA7-4652ENUC, April 2019, R2