# 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 MFP E52645dn**

**HP LaserJet Managed Flow MFP E52645c**

## 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 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 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.

# 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



# Series at a glance



| Model | HP LaserJet Managed MFP E52645dn | HP LaserJet Managed Flow MFP E52645c |
|---|---|---|
| Functions | Print, scan, copy (fax optional) (both models) | |
| 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] | √ | |

# 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 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

| | |
|---|---|
| 1PV95A | HP Internal USB Ports Qty 100 for M507 and M528 |
| 2EH31A | HP MFP Analog Fax Accessory 700 |
| 2NR09A | HP 2GB 144-Pin DDR3 TAA Version DIMM |
| 2NR12A | HP Removable Hard Drive Enclosure |
| 2TD64A | HP Accessibility Kit |
| 3JN69A | HP Jetdirect 3100w BLE/NFC/Wireless Accessory |
| 4QL32A | HP Legic Secure USB Reader |
| 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 |
| CC543B | HP SmartCard NIPRNet Solution for US Government |
| 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 |
| J8030A | HP Jetdirect 3000w NFC/Wireless Accessory |
| J8031A | HP Jetdirect 2900nw Print Server |
| X3D03A | HP Universal USB Proximity Card Reader |
| Y7C05A | HP HIP2 Keystroke Reader |

### 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

# HP LaserJet Managed MFP E52645 series

| Model | HP LaserJet Managed MFP E52645dn | HP LaserJet Managed Flow MFP E52645c |
|---|---|---|
| Product number | 1PS54A | 1PS55A |
| AIO functions | Print, copy, scan and optional fax | |
| **Print** | | |
| Print speed[16],[14],[15] | **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 (default) ; Up to 52 ppm (Hp High Speed) Black; **A4:** Up to 43 ppm (default); Up to 50 ppm (HP High Speed) 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 (default) ; Up to 52 ppm (Hp High Speed) Black; **A4:** Up to 43 ppm (default) ; Up to 50 ppm ( HP High Speed) 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 SureSupply | 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)/ 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:** 8.5 x 34.0 in Maximum; 4 x 5.8 in Minimum; **Flatbed:** 8.5 x 14 in | |
| Scan speed[13] | Up to 45 ppm/45 ipm (b&w), up to 40 ppm/40 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 48 ppm/68 ipm, up to 48 ppm/60 ipm (color) Letter; Up to 45 ppm/64 ipm (b&w), up to 45 ppm/58 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; 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[17] | **Letter:** Up to 45 cpm Black; **A4:** Up to 43 cpm 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 | | **Up to:** 33.6 kbps / **Letter:** 3 sec per page |
| 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] | Apple AirPrint™; Google Cloud Print™; HP ePrint; Mopria™ Certified; Roam capable for easy printing | |
| 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** | | |
| Input | 100-sheet multipurpose Tray 1, 550-sheet input Tray 2, automatic duplex printing; Up to 650 sheets Standard; Up to 10 envelopes | |
| Output | **Standard:** 250-sheet output bin; Up to 250 sheets Standard; **Transparencies:** Up to 75 sheets | **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 | |
| 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: 16 to 53 lb; Tray 2+: 16 to 32 lb | |
| Media sizes | Tray 1: letter, legal, executive, statement, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, 8.5 x 13 in, envelopes (No. 9, No. 10, Monarch); Tray 2: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; Optional 550-sheet tray: letter, legal, executive, statement, 5 x 7 in, 5 x 8 in, 8.5 x 13 in; 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 | |
| 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 Regulatory flyer (CD replacement); Unpack flyer; Installation Guide; Power cord; Warranty Cards; Support flyers/phone number list | 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[18] | 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[11] | 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 | |
| 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[9] [10] | **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; **Power consumption[4]:** 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:** 50 to 90.5°F ; **Recommended operating temperature:** 59 to 80.6°F ; **Storage temperature range:** -4 to 104°F ; **Operating humidity range:** 10 to 80% RH ; **Recommended operating humidity range:** 30 to 70% RH | |
| Security management | Identity management: 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
[13] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software
[14] 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.
[15] Measured using ISO 24734 Feature Test, A5 Landscape Feed. Speed may vary based on content, PC, media orientation, and media type.
[16] 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.
[17] First Copy Out from Ready and Simplex Copy Speed measured using ISO/IEC 29183, Duplex Copy Speed measured using ISO/IEC 24735, 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 and document complexity.
[18] HP Black Managed LaserJet Toner Cartridge (~23,000 pages) W9008MC

## To learn more, visit hp.com