

HP LaserJet Managed MFP E52545 series



Finish tasks fast and help protect against threats with multi-level device security.¹⁰

Finish tasks fast with an MFP that starts right away and helps conserve energy.¹ Multi-level device security helps protect from threats.¹⁰ Original HP Toner cartridges with JetIntelligence and this printer produce more high-quality pages.²



**HP LaserJet Managed MFP
E52545dn**



**HP LaserJet Managed Flow MFP
E52545c**

Accelerate your work and use less energy

- Don't wait for documents. Print your first page in as few as 8.7 seconds from energy-efficient sleep mode.
- Speed through jobs. Print two-sided documents quickly, and scan both sides of the page at once.
- This MFP leads in low energy use—thanks to its innovative design and toner technology.³
- Now 24% smaller—this MFP fits in tight places to boost performance in any workspace.⁹

Unparalleled fleet security and management

- Embedded features detect security threats and heal your MFP, protecting it from boot up to shutdown.¹⁰
- Protect sensitive data on the MFP and in transit, using embedded security features and 256-bit encryption.¹⁰
- Protect sensitive business data with embedded and optional HP JetAdvantage Security Solutions.¹¹
- Centralize control of your printing environment with HP Web Jetadmin¹²—and help build business efficiency.

More. Pages, Performance, and Protection.

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Get more. Original HP Toner with JetIntelligence delivers more pages per cartridge than predecessors.²
- Help ensure the Original HP quality you paid for with anti-fraud and cartridge authentication technology.
- Print right away with a preinstalled toner cartridge. Replace it with an optional high-yield cartridge.¹³

Stay connected with secure mobile printing options

- Enable 128-bit encrypted wireless direct printing from mobile devices—without accessing the network.⁴
- Print with just a touch of your NFC-enabled mobile device to this printer—no network needed.⁶
- Easily print from a variety of smartphones and tablets—generally no setup or apps required.⁷
- Easily access, print, and share resources with Ethernet and optional wireless networking.⁵

Product walkaround



HP LaserJet Managed Flow MFP E52545dn

Series at a glance



Model (product number)	MFP E52545dn (3GY19A)	Flow MFP E52545c (3GY20A)
Functions	Print, scan, copy	Print, scan, copy
Print speed, black ³	Up to 45/43 pages per minute (ppm), letter/A4	Up to 45/43 ppm, letter/A4
8.0-inch (20.3 cm) color touchscreen	✓	✓
100-sheet multipurpose tray 1, 550-sheet input tray 2	✓	✓
Optional 550-sheet paper trays (add up to three)	✓	✓
Optional printer cabinet	✓	✓
Input capacity (standard/maximum ⁴)	Up to 650/2,300 sheets	Up to 650/2,300 sheets
Output capacity	Up to 250 sheets	Up to 250 sheets
Optional wireless printing ⁵ /NFC touch-to-print ⁶	✓	✓
100-page ADF with single-pass, two-sided scanning	✓	✓
Advanced workflow features, including pull-out keyboard ⁷	Not available	✓
Convenience stapler	Not available	✓
HP High-Performance Secure Hard Disk ⁸	Optional	✓
Recommended monthly page volume ⁹	2,000 to 15,000 pages	2,000 to 15,000 pages
Managed Cartridge ¹⁰ yields	~ 22,500 pages (black) ¹¹	~ 22,500 pages (black) ¹¹

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. Choose from:

Optimized Care (optimum performance and stability):

4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Standard Care (high level of uptime):

Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Basic Care (minimum recommended support):

Next Business Day Onsite Support

4 hour Onsite Support:

Onsite support within four hours after a service call received within the coverage window

Next Business Day Onsite Support:

Onsite service the next business day after the service call is received

Maintenance Kit Replacement Service:

Onsite replacement of your printer's maintenance kit including parts, materials, and labor

Installation with Network Configuration Service:

Assembly, network configuration, and basic administrator familiarization. For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit hp.com/go/printservices



Windows 10



Top Features

Work quickly with this fast first page out from sleep mode—and energy-efficient MFP.^{1,3} Launch two-sided printing, scan, and fax right from the touchscreen. Reload paper less often with a 2300-sheet maximum capacity.⁶

Trust your MFP is secure from power-up to power-down. Get strong protection for devices, data, and documents with embedded and optional security features while centrally managing your entire fleet.¹⁰

Bring out the best in your MFP. Print more high-quality pages than ever before,² using specially designed Original HP Toner cartridges with JetIntelligence. Count on the authentic HP quality you paid for—something the competition can't match.

Enable secure wireless printing in the office—with or without network access⁴—and keep users connected with Ethernet and optional wireless networking. Print with just a touch from mobile devices.⁵

Product

3GY19A	HP LaserJet Managed MFP E52545dn
3GY20A	HP LaserJet Managed Flow MFP E52545c

Accessories

F2A72A	HP LaserJet 550-sheet Paper Tray
F2A73A	HP LaserJet Printer Cabinet
E5K48A	HP 1 GB DDR3 x32 144-Pin 800MHz SODIMM
B5L29A	HP Secure High Performance Hard Disk Drive
F5S62A	HP Trusted Platform Module Accessory
C2Z08A	HP Common Card Reader
F2A87A	HP Internal USB Ports for M506, M527
B5L28A	HP Internal USB Ports
B5L31A	HP Foreign Interface Harness
J8031A	HP Jetdirect 2900nw Print Server
J8030A	HP Jetdirect 3000w NFC/Wireless Accessory
B5L53A	HP LaserJet MFP Analog Fax Accessory 600 (only on M527dnm and E52545 series)

Orderable supplies

B5L52A	HP 200 ADF Roller Replacement Kit
W9017MC	HP W9017MC Black Managed LaserJet Toner Cartridge (~22,500 pages)

HP Care Packs

U8ZE6E	HP 3 year Next Business Day w/Defective Media Retention Service for LaserJet M527 E52545 Managed
U8ZE7E	HP 4 year Next Business Day w/Defective Media Retention Service for LaserJet M527 E52545 Managed
U8ZE8E	HP 5 year Next Business Day w/Defective Media Retention Service for LaserJet M527 E52545 Managed
U8ZE9E	HP 3 year Parts Exchange Service for LaserJet M527 E52545 Managed (Managed Component Only)
U8ZFOE	HP 4 year Parts Exchange Service for LaserJet M527 E52545 Managed (Managed Component Only)
U8ZF1E	HP 5 year Parts Exchange Service for LaserJet M527 E52545 Managed (Managed Component Only)
U8ZF2PE	HP 1 yr Post Wnty Next Business Day w/Defective Media Retention Svc for LaserJet M527 E52545 Managed
U8ZF3PE	HP 2 yr Post Wnty Next Business Day w/Defective Media Retention Svc for LaserJet M527 E52545 Managed
U8ZF4PE	HP 1 yr Post Wnty Parts Exchange Service for LaserJet M527 E52545 Managed (Managed Component Only)

Protect your investment with HP Care Pack. Let HP certified engineers resolve your technical issues. For more details on HP Care Pack, go to hp.com/go/cpc

Paper

Contact HP via phone: Asia: 65 6253 8500

Solutions

HP Web Jetadmin: hp.com/go/wja
 HP Universal Print Driver: hp.com/go/upd
 HP Imaging and Printing Security Center: hp.com/go/ipsc

HP LaserJet Managed MFP E52545 series

Model	HP LaserJet Managed MFP E52545dn	HP LaserJet Managed Flow MFP E52545c
Product number	3GY19A	3GY20A
Functions	Print, copy, scan	
Print		
Duplex print options	Automatic (standard)	
Print speed¹⁵	Black (A4, normal): Up to 43 ppm; Black (letter, normal): Up to 45 ppm; Black (A5, landscape): Up to 65 ppm; Black (A4, duplex): Up to 34 ipm; Black (letter, duplex): Up to 36 ipm	
First page out¹⁷	Black (A4, ready): As fast as 5.7 sec; As fast as 11.2 sec (100 V); Black (A4, sleep): As fast as 8.7 sec; As fast as 13.9 sec (100 V)	
Print technology	Laser	
Print resolution	Black (best): Up to 1200 x 1200 dpi; Black (normal): Up to 600 x 600 dpi	
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)	
Printer management	HP JetAdvantage Security Manager; HP SNMP Proxy Agent; HP Web JetAdmin Software; HP WS Pro Proxy Agent; Printer Administrator Resource Kit for HP Universal Print Driver	
Scan		
Scan technology	Type: Flatbed, ADF;	
Scan speed¹⁹	Normal, A4: Up to 43 ppm/43 ipm (b&w), up to 38 ppm/38 ipm (color)	Normal, A4: Up to 45 ppm/64 ipm (b&w), up to 45 ppm/58 ipm (color)
Scan resolution	Enhanced: Up to 600 dpi; Hardware: Up to 600 x 600 dpi	
Scan size	Flatbed: 356 x 216 mm; ADF scan size: 356 x 216 mm	
Scan input modes	Front panel applications: Copy, E-mail, Save to Network Folder, Save to USB, Save to Device Memory, Open Extensibility Platform (XPP) applications	
Scan file format	PDF, JPEG, TIFF, MTIFF, XPS, PDF/A	
Copy		
Copy smart software features	Auto scale; Reduce/enlarge from scanner glass (25 to 400%); Collate; Auto color detection; Two-sided copying; Image adjustments (darkness, background cleanup, sharpness); Job build	
Copy speed¹⁸	Black (A4, normal): Up to 43 cpm; Black (letter, normal): Up to 45 cpm; Black Duplex (A4): Up to 34 cpm; Black (letter, duplex): Up to 36 cpm	
First copy out	Black (A4): As fast as 6.3 sec; As fast as 11.0 sec (100 V); Black (A4, sleep): As fast as 9.6 sec; As fast as 15.2 sec (100 V); Black (letter): As fast as 6.3 sec; As fast as 11.1 sec (100 V); Black (letter, sleep): As fast as 9.7 sec; As fast as 15.5 sec (100 V)	
Copy resolution	Color (text and graphics): Up to 600 x 600 dpi (flatbed); Up to 300 x 600 dpi (ADF)	
Max. 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)	
Connectivity		
Standard connectivity	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network	
Mobile printing capability	HP ePrint; Apple AirPrint™; Mopria-certified	
Wireless capability	Optional, enabled with purchase of HW accessories.	
Network Capabilities	IPv4/IPv6; Apple Bonjour Compatible (Mac OS v10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, XMPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print	
Memory⁸	Standard: 1.25 GB (Printer), 500 MB (Scanner); Maximum: 2.0 GB (Printer), 500 MB (Scanner)	
Processor speed	800 MHz	
Duty cycle (monthly)⁹	Up to 150,000 pages; 4000 to 15,000	
Paper handling		
Input	1 x 550-sheet input tray; 1 x 100-sheet multipurpose tray; 3 x optional additional 550-sheet input trays; Optional 550-sheet tray (add up to 3 trays)	
Output	250-sheet output bin	250-sheet output bin, convenience stapler
Media type	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 custom	Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 102 x 148 to 216 x 297 mm; Optional Trays 3+: 102 x 148 to 216 x 356 mm	
Dimensions (W x D x H)	482 x 496 x 497 mm	
Weight	21.9 kg	22.1 kg
What's in the box	HP LaserJet M527 Printer; HP 87A Black Original LaserJet Toner (~ 9000 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas; Fax cable (AP only)	
Warranty features	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.	
Systems		
Compatible operating systems¹¹	Android, Linux Boss (5.0), Linux Debian (7.0, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.0, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6), Linux Fedora (22, 23, 24), Linux Mint (17, 17.1, 17.2, 17.3, 18), Linux Red Hat Enterprise (6.0, 7.0), Linux SUSE (13.2, 42.1), Linux Ubuntu (12.04, 14.04, 15.10, 16.04, 16.10), OS macOS 10.12 Sierra, OS X 10.10 Yosemite, OS X 10.11 El Capitan, UNIX, Windows 10 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows 7 all 32- & 64-bit editions, Windows 8/8.1 all 32- & 64-bit editions (excluding RT OS for Tablets), Windows Vista all 32bit editions (Home Basic, Premium, Professional, etc.), Windows XP SP3 32-bit editions (XP Home, XP Pro, etc.)	
Minimum system requirements	PC: 2GB available hard disk space; OS hardware requirements see microsoft.com Mac: 1.3 GB available hard drive space; Internet; OS hardware requirements see Apple.com for more info	
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, ...); Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs	
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	
Control panel	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu); Extended Keyboard
Display	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button (for quick return to the Home menu)	
Power	Power supply type: Internal (Built-in) power supply; Power supply required: Input Voltage: 100 to 127 VAC, 50/60 Hz, 7.5 A (+/- 10%); Input Voltage: 220 to 240 VAC, 50/60 Hz, 4.0 A (+/- 10%) (Not dual voltage, input voltage requirement and supplied power cord varies by part number and option code identifier); Power consumption²: 671 watts (Printing), 27.8 watts (Ready), 3.2 watts (Sleep), 0.71 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off)	Power supply type: Internal (Built-in) power supply; Power supply required: Input Voltage: 100 to 127 VAC, 50/60 Hz, 7.5 A (+/- 10%); Input Voltage: 220 to 240 VAC, 50/60 Hz, 4.0 A (+/- 10%) (Not dual voltage, input voltage requirement and supplied power cord varies by part number and option code identifier); Power consumption²: 671 watts (Printing), 27.8 watts (Ready), 3.2 watts (Sleep), 0.71 watts (Auto-Off/Auto-On), LAN connection: 0.06 watts (Auto-Off), 0.06 watts (Off); Typical electricity consumption (TEC) number: 1.752 kWh/Week (Energy Star), 1.648 kWh/Week (Blue Angel)
Software included	HP Connected, HP Device Experience (DXP), HP PCL 6 (XPS) Printer Driver, HP Software Installer/Uninstaller, Mac OS Welcome Screen (Directs users to 123.HP.com or OS App Source for printer software), Online user manuals	
Acoustics	Acoustic power emissions⁷: 6.8 B(A); Acoustic power emissions (ready): 4.0 B(A); Acoustic pressure emissions bystander (active, printing): 54 dB(A); Acoustic pressure emissions bystander (ready): 25 dB(A)	
Environmental ranges	Operating temperature range: 15 to 32.5° C; Recommended operating temperature: 17.5 to 25° C; Non-operating humidity range: 10 to 90% RH; Operating humidity range: 10 to 80% RH; Recommended operating humidity range: 30 to 70% RH	
Safety approvals and requirements	IEC 60950-1:2005 +A1:2009 +A2:2013 (International); EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013 (EU); EN 60825-1:2007/IEC 60825-1:2007 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; Low Voltage Directive 2006/95/EC with CE Mark (Europe); GS Certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); CAN/CSA C22.2 No. 60950-1-07 2nd Ed. 2011-12; Compliance with Laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser notice No. 50, Dated June 24, 2007; Other safety approvals as required by individual countries.	
Supported network protocols	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; Discovery: SLP, Bonjour, Web Services Discovery; IP Config: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x	

Footnotes

- ¹ Based on HP internal testing of top three leading competitors' first page out from sleep mode and duplex print and copy speed completed 8/2015. Subject to device settings. Actual results may vary. For details, see <http://www.hp.com/go/ljclaims>
- ² More pages versus predecessor cartridges claim based on page-yield comparison of HP 55X High Yield Black Original LaserJet Toner Cartridges with HP 87X High Yield Black Original LaserJet Toner Cartridges. For more information, see <http://www.hp.com/go/learnaboutsupplies>
- ³ Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in energystar.gov versus the top three leading competitors as of 8/2015. Actual results may vary. For details see <http://www.hp.com/go/ljclaims>
- ⁴ Wireless direct printing is standard on the HP LaserJet Enterprise Flow MFP M527z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise MFP M527dn/f/c. Mobile device needs to be connected directly to the WiFi network of a wireless direct – capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see <http://www.hp.com/go/businessmobileprinting>
- ⁵ 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.
- ⁶ Touch-to-print capability is standard on the HP LaserJet Enterprise Flow MFP M527z only. Requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Enterprise MFP M527dn/f/c. Mobile device must support Near Field Communication (NFC) – enabled printing. For more information, see <http://www.hp.com/go/businessmobileprinting>
- ⁷ Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting>
- ⁸ Purchase of optional paper trays required to reach maximum input capacity.
- ⁹ Compared with the HP LaserJet Enterprise MFP M525.
- ¹⁰ Only HP offers a combination of security features for integrity checking down to the BIOS with self-healing capabilities. Some features require additional purchase. A FutureSmart service pack update may be required to activate security features. Learn more at <http://www.hp.com/go/printersthatprotect>
- ¹¹ Some solutions require download or additional purchase. Learn more at <http://www.hp.com/go/printingsolutions>
- ¹² Universal device plug-in is offered with HP Web Jetadmin 10.3 SR4 and higher. HP Web Jetadmin is free and available for download at <http://www.hp.com/go/webjetadmin>
- ¹³ HP 87X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

Technical specifications disclaimers

- ¹ Includes size A toner cartridge.
- ² AirPrint™ and iOS 4.2 or later devices require an 802.11 wireless network connection to the printer. Wireless performance is dependent upon physical environment and distance from the access point. AirPrint and the AirPrint Logo are trademarks of Apple® Inc. Wireless operations are compatible with 2.4 GHz operations only. App or software and HP ePrint account registration may also be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting>
- ³ 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 115 V device.
- ⁴ Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled.
- ⁵ Declared yield value in accordance with ISO/IEC 19752 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>
- ⁶ HP SureSupply alerts you when your print cartridge is running low and helps you purchase online or locally through HP or a participating retailer. Only available with Original HP supplies; Internet access required. To learn more, visit <http://www.hp.com/go/SureSupply>
- ⁷ Acoustic values are subject to change. For current information see <http://www.hp.com/support>
- ⁸ Maximum memory is with 1 GB DIMM installed. The maximum the FW can use is 2GB so 250 MB is unused in this configuration.
- ⁹ Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
- ¹⁰ HP recommends that the number of scanned pages per month be within the stated range for optimum device performance.
- ¹¹ Not all "Compatible Operating Systems" are supported with inbox software; Full solution software available only for Windows 7 and newer; Legacy Windows Operating Systems (XP, Vista, and equivalent servers) get print and Scan drivers only; Windows RT OS for Tablets (32- & 64-bit) uses a simplified HP print driver built into the RT OS; UNIX modelscripts are available on <http://www.HP.com> (Modelscripts are printer drivers for UNIX operating systems); Linux systems use in-OS HPLIP software.
- 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.

Walkaround footnotes

- ¹ Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase.
- ² An administrator must enable the easy-access USB port before use.
- ³ Measured using ISO/IEC 24734 and excludes first set of test documents. For more information, see [hp.com/go/printerclaims](http://www.hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- ⁴ Purchase of optional paper tray required to reach maximum input capacity.
- ⁵ Wireless direct printing requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Managed MFP E52545dn/c. Mobile device needs to be connected directly to the Wi-Fi network of a wireless direct–capable MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wireless performance is dependent on physical environment and distance from the access point in the MFP or printer. For details, see [hp.com/go/businessmobileprinting](http://www.hp.com/go/businessmobileprinting).
- ⁶ Touch-to-print capability requires purchase of optional HP Jetdirect 3000w NFC/Wireless Direct Accessory for the HP LaserJet Managed MFP E52545dn/c. Mobile device must support Near Field Communication (NFC)–enabled printing. For more information, see [hp.com/go/businessmobileprinting](http://www.hp.com/go/businessmobileprinting).
- ⁷ 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.
- ⁸ The encrypted HP High-Performance Secure Hard Disk is optional on the HP LaserJet Managed MFP E52545dn and standard on the HP LaserJet Managed Flow MFP E52545c model.
- ⁹ 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 HP Managed Cartridges are not included in printer purchase; purchase separately. Learn more at [hp.com/go/learnaboutsupplies](http://www.hp.com/go/learnaboutsupplies).
- ¹¹ Toner cartridge yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors.

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