

# HP LaserJet Managed MFP E52545 series



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

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



HP LaserJet Managed Flow MFP E52545c



HP LaserJet Managed MFP E52545dn

### Accelerate your work and use less energy

- Don't wait for documents. Print your first page in as few as 8.5 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 is low energy use—thanks to its innovative design and toner technology.<sup>3</sup>

### Unparalleled fleet security and management

- Embedded features detect security threats and heal your MFP, protecting it from boot up to shutdown.<sup>10</sup>
- Protect sensitive data on the MFP and in transit, using embedded security features and 256-bit encryption.<sup>10</sup>
- Protect sensitive business data with embedded and optional HP JetAdvantage Security Solutions.<sup>11</sup>
- Centralize control of your printing environment with HP Web Jetadmin<sup>12</sup>—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.<sup>2</sup>
- 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.<sup>13</sup>

### Stay connected with secure mobile printing options

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

<sup>1</sup> 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> <sup>2</sup> 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> <sup>3</sup> 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> <sup>4</sup> 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> <sup>5</sup> 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. <sup>6</sup> 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> <sup>7</sup> 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> <sup>8</sup> Purchase of optional paper trays required to reach maximum input capacity. <sup>9</sup> Compared with the HP LaserJet Enterprise MFP M525. <sup>10</sup> 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> <sup>11</sup> Some solutions require download or additional purchase. Learn more at <http://www.hp.com/go/printingsolutions> <sup>12</sup> 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> <sup>13</sup> HP 87X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

## HP LaserJet Managed Flow MFP E52545c

### Product walkaround

1. 100-sheet ADF with single-pass, two-sided scanning and HP EveryPage<sup>4</sup>
2. Hardware Integration Pocket<sup>2</sup>
3. Easy-access USB port<sup>3</sup>
4. 250-sheet output tray
5. Top cover (access to toner cartridge)
6. 100-sheet multipurpose tray
7. 550-sheet tray 2
8. 8.0-inch (20.3 cm) color touchscreen
9. Pull-out keyboard<sup>1</sup>
10. Convenience stapler
11. Automatic two-sided printing
12. Gigabit Ethernet, Host USB port, Hi-Speed USB 2.0 printing port, Hi-Speed USB 2.0 port



### Series at a glance



Model	HP LaserJet Managed Flow MFP E52545c	HP LaserJet Managed Flow MFP E52545dn
Product number	3GY20A	3GY19A
Print speeds (letter/A4) <sup>5</sup>	Up to 45/43 ppm	Up to 45/43 ppm
Control panel	8.0-inch (20.3 cm) color touchscreen	8.0-inch (20.3 cm) color touchscreen
Fax capability	Optional	Not available
100-sheet multipurpose tray, 550-sheet input tray 2	✓	✓
100-page ADF with single-pass, two-sided scanning	✓	✓
Hardware Integration Pocket <sup>2</sup> , easy-access USB <sup>3</sup>	✓	✓
Encrypted Hard Drive	✓	Optional
HP EveryPage with ultrasonic detection <sup>1</sup>	✓	Not available
Scan to Microsoft® SharePoint®	✓	Not available
Advanced workflow features including a pull-out keyboard <sup>1</sup>	✓	Not available
Convenience stapler	✓	Not available
Embedded capture functionality	✓	Not available
Embedded OCR	✓	Not available

<sup>1</sup>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. <sup>2</sup>Hardware Integration Pocket: Solutions deployed through the Hardware Integration Pocket (HIP) may require additional purchase. <sup>3</sup>An administrator must enable the easy-access USB port before use. <sup>4</sup>The E52545c has a convenience stapler in addition to advanced workflow features, including a pull-out keyboard. The advanced workflow features and convenience stapler are not available on the E52545dn model. <sup>5</sup>Measured using ISO/IEC 17629. For more information, see [hp.com/go/printerclaims](http://hp.com/go/printerclaims). Exact speed varies depending on the system configuration, software application, driver, and document complexity. <sup>6</sup>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.

## 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 with Defective Media Retention:

Customers can retain their hard disk drive and keep control of sensitive data.

### Installation Service with Network Setup:

Installation services that include onsite installation and network setup of printing product.

For carepack availability visit: [hp.com/go/cpc](http://hp.com/go/cpc)



## Top features

Work quickly with this fast first page out from sleep mode—and energy-efficient MFP.<sup>1,3</sup> Launch two-sided printing, scan, and fax right from the touchscreen. Reload paper less often with a 2300-sheet maximum capacity.<sup>8</sup>

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.<sup>10</sup>

Bring out the best in your MFP. Print more high-quality pages than ever before,<sup>2</sup> 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 access<sup>4</sup>—and keep users connected with Ethernet and optional wireless networking. Print with just a touch from mobile devices.<sup>5</sup>

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### Accessories

- E5K48A - HP 1 GB DDR3 x32 144-Pin 800MHz SODIMM
- B5L29A - HP Secure High Performance Hard Disk Drive
- F5S62A - HP Trusted Platform Module Accessory
- CZ208A - 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
- 2TD64A - HP Accessibility Kit
- B5L53A - HP LaserJet MFP Analog Fax Accessory

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### Supplies

- B5L35A - HP LaserJet 110v Fuser Kit
- B5L36A - HP LaserJet 220v Fuser Kit
- B5L37A - HP Color LaserJet Toner Collection Unit
- B5L52A - HP 200 ADF Roller Replacement Kit
- Q7432A - HP Staple Cartridge Refill
- W9017MC - HP Black Managed LaserJet Toner Cartridge (~22,500 pages)

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### Services

- 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
  - U9JT2E - HP Inst SVC w/nw Workgroup Printer
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<sup>1</sup> 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>. <sup>2</sup> 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>. <sup>3</sup> Based on HP testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or as reported in [energystar.gov](http://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>. <sup>4</sup> 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>. <sup>5</sup> 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. <sup>6</sup> 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>. <sup>7</sup> 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>. <sup>8</sup> Purchase of optional paper trays required to reach maximum input capacity. <sup>9</sup> Compared with the HP LaserJet Enterprise MFP M525. <sup>10</sup> 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>. <sup>11</sup> Some solutions require download or additional purchase. Learn more at <http://www.hp.com/go/printingsolutions>. <sup>12</sup> 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>. <sup>13</sup> HP 87X High Yield Black Original LaserJet Toner Cartridges not included; please purchase separately.

# HP LaserJet Managed MFP E52545 series

Technical Specifications	HP LaserJet Managed Flow MFP E52545c (GGY20A)	HP LaserJet Managed MFP E52545dn (3GY19A)
AIO functions	Print, copy, scan	
Print speed	<b>A4:</b> Up to 43 ppm; <b>Letter:</b> Up to 45 ppm black; <sup>15</sup> ; <b>First Page Out Black:</b> As fast as 5.7 sec; As fast as 11.2 sec (100 V); <sup>17</sup>	
Print resolution	<b>Black (best):</b> Up to 1200 x 1200 dpi	
Print Technology	Laser; <b>Print Resolution Technologies:</b> 300 dpi, 600 dpi, HP FastRes 1200, HP ProRes 1200	
Print Cartridges Number	1 (black)	
Replacement Cartridges	W9017MC HP Black Managed LaserJet Toner Cartridge (~22,500 pages)	
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 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 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 Type / Technology	<b>Type:</b> Flatbed, ADF	
Scan Resolution	<b>Hardware:</b> Up to 600 x 600 dpi; <b>Optical:</b> 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 (EXP) applications	
Scan Size	<b>ADF:</b> 356 x 216 mm; 8.5 x 14 in Maximum; 100 x 152 mm; 4 x 6 in Minimum; <b>Flatbed:</b> 356 x 216 mm; Up to 45 ppm/64 ipm (b&w), up to 45 ppm/58 ipm (color)	<b>ADF:</b> 356 x 216 mm; 8.5 x 14 in Maximum; 100 x 152 mm; 4 x 6 in Minimum; <b>Flatbed:</b> 356 x 216 mm; Up to 43 ppm/43 ipm (b&w), up to 38 ppm/38 ipm (color)
Scan Speed	Up to 45 ppm/64 ipm (b&w), up to 45 ppm/58 ipm (color) <sup>15</sup> ; <b>Duplex:</b> Up to 64 ipm (b&w), up to 58 ipm (color)	Up to 43 ppm/43 ipm (b&w), up to 38 ppm/38 ipm (color) <sup>15</sup> ; <b>Duplex:</b> Up to 43 ipm (b&w), up to 38 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 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	<b>Black (A4):</b> Up to 43 cpm; <sup>18</sup>	
Copy Resolution	<b>Black (text and Graphics):</b> Up to 600 x 600 dpi (flatbed); Up to 600 x 450 dpi (ADF); <b>Color (text and Graphics):</b> Up to 600 x 600 dpi (flatbed); Up to 300 x 600 dpi (ADF)	
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 USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network	2 Hi-Speed USB 2.0 Host; 1 Hi-Speed USB 2.0 Device; 1 Gigabit Ethernet 10/100/1000T network
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, XMPR, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print	
Wireless Capability	Optional, enabled with purchase of HW accessories.	
Mobile Printing Capability	HP ePrint; Apple AirPrint™; Mopria-certified <sup>12</sup>	
Memory	<b>Standard:</b> 1.25 GB (Printer), 500 MB (Scanner); <b>Maximum:</b> 2.0 GB (Printer), 500 MB (Scanner)	
Processor Speed	1.2 GHz / <b>Hard disk:</b> Standard, embedded HP High-Performance Secure Hard Disk, minimum 320 GB; AES 128 hardware encryption or greater; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk); U.S. Government: Standard, FIPS 140-2 validated hard disk, minimum 500 GB	1.2 GHz / <b>Hard disk:</b> None (printer uses eMMC solid state drive (SSD)). Standard eMMC memory= 16GB.
Duty Cycle	<b>Monthly, A4:</b> Up to 150,000 pages <sup>5</sup> ; <b>Recommended Monthly Page Volume:</b> 4000 to 15,000 pages	
Paper Handling	<b>Input Capacities:</b> 1 x 550-sheet input tray; 1 x 100-sheet multipurpose tray; 3 x optional additional 550-sheet input trays; Up to 650 sheets standard; Up to 10 envelopes labels legal; <b>Output Capacities:</b> 250-sheet output bin, convenience stapler; Up to 250 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; <b>Media Weight Supported:</b> Tray 1: 16 to 53 lb; Tray 2+: 16 to 32 lb; <b>Media Sizes Supported:</b> Tray 1: Letter, legal, executive, 4 x 6, 5 x 8, 8.5 x 13, envelopes (No. 10, Monarch); Tray 2: letter, legal, executive, 8.5 x 13; Optional trays 3+: letter, legal, executive, 8.5 x 13 in; Optional Automatic Duplexer: letter; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 4.1 x 5.8 to 8.5 x 14 in; optional 550-sheet input Tray 3+: 4.1 x 5.8 to 8.5 x 14 in	<b>Input Capacities:</b> 1 x 550-sheet input tray; 1 x 100-sheet multipurpose tray; 3 x optional additional 550-sheet input trays; Up to 650 sheets standard; Up to 10 envelopes labels legal; <b>Output Capacities:</b> 250-sheet output bin; Up to 250 sheets standard labels legal; <b>Duplex Options:</b> Automatic (standard); <b>Auto Document Feeder Capacity:</b> Standard, 100 sheets; <b>Envelope Feeder:</b> No; <b>Standard Paper Trays:</b> 2; <b>Media Types Supported:</b> Paper (bond, color, letterhead, plain, preprinted, prepunched, recycled, rough); envelopes; labels; cardstock; transparencies; user-defined; <b>Media Weight Supported:</b> Tray 1: 16 to 53 lb; Tray 2+: 16 to 32 lb; <b>Media Sizes Supported:</b> Tray 1: Letter, legal, executive, 4 x 6, 5 x 8, 8.5 x 13, envelopes (No. 10, Monarch); Tray 2: letter, legal, executive, 8.5 x 13; Optional trays 3+: letter, legal, executive, 8.5 x 13 in; Optional Automatic Duplexer: letter; <b>Media Sizes Custom:</b> Tray 1: 3 x 5 to 8.5 x 14 in; 550-sheet input Tray 2: 4.1 x 5.8 to 8.5 x 14 in; optional 550-sheet input Tray 3+: 4.1 x 5.8 to 8.5 x 14 in

# HP LaserJet Managed MFP E52545 series

Technical Specifications	HP LaserJet Managed Flow MFP E52545c (3GY20A)	HP LaserJet Managed MFP E52545dn (3GY19A)
<b>Product Dimensions</b>	<b>W x D x H:</b> 18.98 x 19.52 x 19.55 in; 482 x 496 x 497 mm <b>Maximum:</b> 19.96 x 24.83 x 19.55 in; 507 x 631 x 497 mm	
<b>Product Weight</b>	48.6 lb <sup>1</sup> ; 22.1 kg <sup>1</sup>	48.2 lb <sup>1</sup> ; 21.9 kg <sup>1</sup>
<b>What's in the box</b>	HP LaserJet M527 Printer; HP 87A Black Original LaserJet Toner (~ 9000 pages); CDs; User Guide; Support Flyers; Warranty Cards; Required Erratas	
<b>Warranty Features</b>	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to <a href="http://www.hp.com/support">http://www.hp.com/support</a> to learn about HP award winning service and support options in your region.	
<b>Energy Efficiency Compliance</b>	ENERGY STAR <sup>®</sup> qualified; EPEAT <sup>®</sup> Silver; CECP	
<b>Control Panel</b>	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	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)
<b>Display Description</b>	8.0-in (20.3 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; illuminated Home button	
<b>Software Included</b>	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	
<b>Fonts and Typefaces</b>	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 <a href="http://www.hp.com/go/laserjetfonts">http://www.hp.com/go/laserjetfonts</a>	
<b>Compatible Operating Systems</b>	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.) <sup>11</sup>	
<b>Compatible Network Operating Systems</b>	Citrix MetaFrame Presentation Server 3.0, Citrix MetaFrame XP Presentation Server (Feature Release 1, 2, and 3), Citrix on Windows Server 2003/2003R2, Citrix on Windows Server 2008/2008R2/2008 R2 SP1, Citrix on Windows Server 2012/2012R2, Citrix Presentation Server 4.0/4.5, Citrix XenApp 5.0 (Plus Feature Pack 2 & 3) for Windows Server 2008 Terminal Services 32- and 64-bit, Citrix XenApp 6.0/6.5 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenApp 6.0/6.5/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenApp 7.5 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Citrix XenDesktop 5.6 [for Windows Server 2008 R2 Terminal Services, 32- and 64-bit], Citrix XenDesktop 5.6/7.0/7.5 [for Windows Server 2008 R2 SP1 Terminal Services, 32- and 64-bit], Citrix XenDesktop 7.0/7.2 [for Windows Server 2012 and 2012 R2 Terminal Services, 64-bit], Novell NetWare 6.5/SP8 Novell Clients <a href="http://www.novell.com/iproint">www.novell.com/iproint</a> , Novell iPrint Appliance v1.0, Novell Open Enterprise Server 11/SP1, Novell Open Enterprise Server 2 for Linux, Novell Servers <a href="http://www.novell.com/iproint">www.novell.com/iproint</a> , Windows Server 2003/2003 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2003/2003 R2 32-bit (SP1/SP2), Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 64-bit (SP1) Standard/Enterprise (+ Cluster & Terminal Services), Windows Server 2008/2008 R2 32-/64-bit (SP1/SP2) Standard/Enterprise/Datacenter (+ Cluster & Terminal Services), Windows Server 2012/2012 R2 64-bit Standard/Foundation/Essentials/Datacenter (+ Cluster & Terminal Services)	
<b>Minimum System Requirements</b>	<b>PC:</b> 2GB available hard disk space; OS hardware requirements see <a href="http://microsoft.com">microsoft.com</a> ; <b>MAC:</b> 1.3 GB available hard drive space; Internet; OS hardware requirements see <a href="http://apple.com">apple.com</a> for more info	
<b>Power</b>	<b>Power Supply Type:</b> Internal (Built-in) power supply; <b>Power Requirements:</b> 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); <b>Power Consumption:</b> 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) <sup>3</sup>	
<b>Acoustics</b>	<b>Acoustic Power Emissions:</b> 6.8 B(A); <b>Acoustic Pressure Emissions:</b> 54 dB(A) <sup>7</sup>	
<b>Operating Environment</b>	<b>Operating Temperature Range:</b> 15 to 32.5°C; <b>Recommended Operating Temperature:</b> 17.5 to 25°C; <b>Storage Temperature Range:</b> -20 to 60°C; <b>Non-Operating Humidity Range:</b> 10 to 90% RH; <b>Operating Humidity Range:</b> 10 to 80% RH; <b>Recommended Humidity Operating Range:</b> 30 to 70% RH	
<b>Security Management</b>	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	

<sup>1</sup> Includes size A toner cartridge. <sup>2</sup> 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> <sup>3</sup> 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. <sup>4</sup> Based on the BA TEC method with the following possible exceptions: 1 minute or less sleep delay setting, Wi-Fi disabled. <sup>5</sup> 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> <sup>6</sup> 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> <sup>7</sup> Acoustic values are subject to change. For current information see <http://www.hp.com/support> <sup>8</sup> Maximum memory is with 1 GB DIMM installed. The maximum the FW can use is 2GB so 250 MB is unused in this configuration. <sup>9</sup> 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. <sup>10</sup> HP recommends that the number of scanned pages per month be within the stated range for optimum device performance. <sup>11</sup> 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. <sup>12</sup> Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.

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