Datasheet

# HP Color LaserJet Managed MFP E877dn Printer Series

## Powerful. Flexible. Secure.

Change is the only constant in business. Transform your business with a printer that can be upgraded over time to expand capabilities. With HP's most secure printers[1] you'll stay secure and simplify fleet management for busy IT pros.

## Unleash peak productivity

- Tackle anything with our powerful CPU. Maximize your productivity and increase your overall print performance by copying, scanning and printing documents of all sizes at virtually full speed.
- Get time back with industry leading print speeds up to 70ppm.[2]
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons on the 25.65 cm (10.1-inch) color touchscreen display.
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart firmware.[3]

## Customizable solutions built to last

- Make your day-to-day easier by customizing your print experience with cloud-connected HP Workpath apps that let you access personalized content, integrate paper and digital workflows.[4]
- Unleash your creativity and match any office décor with modern designs and the option of five customizable color panels.
- Give your team what they need to succeed with the HP Open Extensibility Platform containing hundreds of HP and third-party solutions as well as card reader support.
- Make color management simple & seamless with our HP Custom Color Manager. Match color output of any document/device combination without the hassle of expensive color matching systems.

## Always on guard with HP Wolf Security[5]

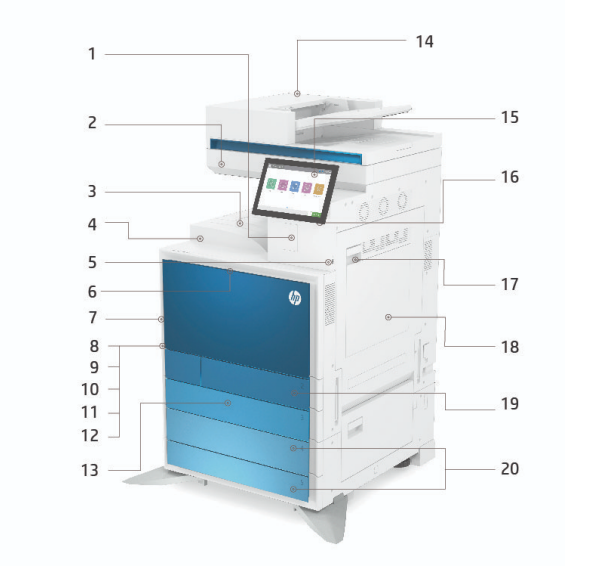
- With HP Sure Start always working behind the scenes, the operating code (BIOS) is automatically checked during start-up and repairs itself if compromised.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware so you can stay connected and in the clear.
- Run-time intrusion detection is always on guard. Common Criteria certified[6] to continually monitor memory activity to keep you safe, detecting and stopping attacks in real time.
- HP Memory Shield™ is an embedded security feature that helps prevent a wide variety of malware attacks from redirecting the execution flow of a program.

## Better printing, for a better planet

- The fiber-based packaging, including outer box and interior fiber-based cushions, for this product is 100% sustainably sourced, meaning it's made from recycled or certified content.[7]
- Our devices are made with the planet in mind with energy-efficient printing and toner cartridges made from more than 57% recycled plastic.[8] Printing that puts the planet first.
- Our improved energy efficient designs meet the rigorous criteria of EPEAT Gold, Energy Star, and Blue Angel.[9]
- With formulas that meet current indoor air quality standards, our ultra-low melt toner is efficient for both printing and the planet.[10]

## Product walkaround

1. Hardware Integration Pocket (for connecting accessories and third-party devices)[1]
2. Flatbed scanner handles sheets up to 297 x 432 mm
3. 500-sheet output bin
4. Automatic two-sided printing
5. Easy-access USB port[2]
6. Front door access to toner cartridges
7. HP High-Performance Secure Hard Disk
8. Slot for cable-type security lock
9. SuperSpeed USB 3.0 Host Port
10. Hi-Speed USB 2.0 Host Port
11. Gigabit Ethernet Port
12. Hi-Speed USB 3.0 device port
13. 520-sheet tray 3 supports media sizes up to A3
14. 200-sheet dual side ADF supports media sizes up to A3[3]
15. 10.1 inch (25.6 cm) color touchscreen display
16. Power button
17. Right door access to the print path
18. 100-sheet multipurpose tray 1 supports media sizes up to A3
19. 520-sheet tray 2 supports media sizes up to A4
20. Optional 2 x 520-sheet dual tray/stand supports media sizes up to A3




## Series at a glance

| Model | HP Color LaserJet Managed MFP E877dn | | | |
|---|---|---|---|---|
| Product number | 5QK03A | 5QK03A (Base) + 8EP60AAE (Speed license) | 5QK03A (Base) + 8EP61AAE (Speed license) | 5QK03A (Base) + 8EP62AAE (Speed license) |
| Print speed (A4 and letter, black and color)[3] | Up to 40 ppm | Up to 50 ppm | Up to 60 ppm | Up to 70 ppm |
| Scan speed(A4 and letter, black and color)[4] | 90 ppm/180 ipm, simplex/duplex | | | |
| Functions | Print, copy, and scan (fax and wireless optional) (all models) | | | |
| ADF capacity | 200 sheets | | | |
| Input capacity | Standard: 1,140 sheets; Maximum: 6,140 sheets (all models) | | | |
| Advanced workflow features | No | | | |

[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] The E877 series Flow models include a 300-sheet ADF. The E877 series dn models include a 200-sheet ADF. The ADF on all devices can scan documents up to A3.
[4] 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.
[5] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[6] HP EveryPage Technology is powered by ultrasonic multi-feed detection.

## Top features

Get more done faster with industry leading printing, scanning and copying speeds, maximum uptime – powered by HP's custom designed quadcore processor.
Tailored on-device and cloud connected solutions to help optimize your workflows with flexibility to support your workforce today and evolve to meet your demands for tomorrow.
HP Wolf Enterprise Security provides the world's most secure printing through industry leading multi-layer, self-healing security that protects, detects, and adapts to new threats.[1] We keep trouble out so you can keep your business running.
Save resources with our energy efficient printing that meets EPEAT Gold, Blue Angel and Energy Star standards; supporting HP's goal for carbon neutrality and a fully sustainable economy.

## Services and Solutions

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|---|---|
| Service and Support | **U03HDE** HP 1 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx<br>**U03HFE** HP 3 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx<br>**U03HGE** HP 4 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx<br>**U03HHE** HP 5 year Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx<br>**U03HSPE** HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx<br>**U03HTPE** HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Managed MFP E877xx<br>**U03HME** HP 1 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only)<br>**U03HNE** HP 3 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only)<br>**U03HQE** HP 4 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only)<br>**U03HRE** HP 5 year Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only)<br>**U03HXPE** HP 1 year PW Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only)<br>**U03HYPE** HP 2 year PW Parts Exchange Service for Color LaserJet Managed MFP E877xx (Managed Component Only) |
| Solutions | **Security**: HP Access Control; HP Security Manager; HP Advance; HP Secure Print and Insights<br>**Mobile and universal print**: HP Universal Print Driver (UPD); HP Print for Chrome Extension; HP Smart UPD; HP For Universal Print Workpath App<br>**Management**: HP Web JetAdmin; HP Smart Device Services (SDS); Embedded Web Server; HP Custom Color Manager; HP Command Center; HP Smart Printer Administrator's Resource Kit |

## Front panel optional colors

*Available with optional color panel accessories

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|---|---|
| Accessories | **155P8A** HP LaserJet InnerFinisher 2/4 Hole Punch<br>**155P9A** HP LaserJet Inner Finisher Swedish Hole Punch<br>**190A2A** HP Color LaserJet Department Lunar Gray Color Panel<br>**190A3A** HP LaserJet Department Lunar Gray Color Panel<br>**190A4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Lunar Gray Color Panel<br>**190A5A** HP LaserJet Department High Capacity Paper Tray/Stand Lunar Gray Color Panel<br>**190A8A** HP LaserJet Department Stand Lunar Gray Color Panel<br>**190B2A** HP Color LaserJet Department Comet Red Color Panel<br>**190B3A** HP LaserJet Department Comet Red Color Panel<br>**190B4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Comet Red Color Panel<br>**190B5A** HP LaserJet Department High Capacity Paper Tray/Stand Comet Red Color Panel<br>**190B8A** HP LaserJet Department Stand Comet Red Color Panel<br>**190C2A** HP Color LaserJet Department Cosmic Green Color Panel<br>**190C3A** HP LaserJet Department Cosmic Green Color Panel<br>**190C4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Cosmic Green Color Panel<br>**190C5A** HP LaserJet Department High Capacity Paper Tray/Stand Cosmic Green Color Panel<br>**190C8A** HP LaserJet Department Stand Cosmic Green Color Panel<br>**190D2A** HP Color LaserJet Department Constellation Yellow Color Panel<br>**190D3A** HP LaserJet Department Constellation Yellow Color Panel<br>**190D4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Constellation Yellow Color Panel<br>**190D5A** HP LaserJet Department High Capacity Paper Tray/Stand Constellation Yellow Color Panel<br>**190D8A** HP LaserJet Department Stand Constellation Yellow Color Panel<br>**190F2A** HP Color LaserJet Department Aurora Purple Color Panel<br>**190F4A** HP LaserJet Department 2x520 sheet Paper Tray/Stand Aurora Purple Color Panel<br>**190F5A** HP LaserJet Department High Capacity Paper Tray/Stand Aurora Purple Color Panel<br>**190F8A** HP LaserJet Department Stand Aurora Purple Color Panel<br>**2NR12A** HP Removable Hard Drive Enclosure<br>**2TD64A** HP Accessibility Kit<br>**3JN69A** HP Jetdirect 3100w BLE/NFC/Wireless Accessory<br>**478C2A** HP Printing Voice Assistant<br>**4QL32A** HP Legic Secure USB Reader<br>**5QK14A** HP MFP 810 Analog Dual Fax<br>**6GW47A** HP LaserJet 2x520 sheet Department Paper Tray/Stand<br>**6GW49A** HP LaserJet Inner Finisher<br>**6GW50A** HP LaserJet Department Job Separator<br>**6GW51A** HP LaserJet Booklet Finisher<br>**6GW53A** HP LaserJet Department Stand<br>**6GW55A** HP LaserJet Stapler/Stacker Finisher<br>**6GW56A** HP LaserJet 3000 sheet Department High Capacity Paper Tray/Stand<br>**6GW57A** HP LaserJet 2000 sheet Department High Capacity Paper Tray/Stand<br>**7ZA08A** HP MFP 800 Analog Single Fax<br>**8FP31A** HP Jetdirect LAN Accessory<br>**B5L31A** HP Foreign Interface Harness<br>**X3D03A** HP USB Universal Card Reader<br>**Y1G11A** HP LaserJet Hole Punch 2/4 Accessory<br>**Y1G12A** HP LaserJet Hole Punch Swedish Accessory<br>**Y1G13A** HP LaserJet Inner/Booklet Staples<br>**Y1G14A** HP LaserJet Stapler/Stacker Finisher Staples<br>**Y1G22A** HP LaserJet Paper Tray Heaters Accessory<br>**Y7C05A** HP HIP2 Keystroke Reader<br>**Y7C07A** HP SIM for HID iClass for HIP2 Reader |
| Speed Licenses | **8EP60AAE** HP Color LaserJet Managed MFP E877 40 to 50ppm License<br>**8EP61AAE** HP Color LaserJet Managed MFP E877 40 to 60ppm License<br>**8EP62AAE** HP Color LaserJet Managed MFP E877 40 to 70ppm License<br>**8LB48AAE** HP Color LaserJet Managed MFP E877 50 to 60ppm License<br>**8LB49AAE** HP Color LaserJet Managed MFP E877 60 to 70ppm License<br>**8LB50AAE** HP Color LaserJet Managed MFP E877 50 to 70ppm License |
| Supplies | **W9160MC** HP W9160MC Black Managed LaserJet Toner Cartridge<br>**W9161MC** HP W9161MC Cyan Managed LaserJet Toner Cartridge<br>**W9162MC** HP W9162MC Yellow Managed LaserJet Toner Cartridge<br>**W9163MC** HP W9163MC Magenta Managed LaserJet Toner Cartridge<br>**W9170MC** HP W9170MC High Yield Black Managed LaserJet Toner Cartridge<br>**W9171MC** HP W9171MC High Yield Cyan Managed LaserJet Toner Cartridge<br>**W9172MC** HP W9172MC High Yield Yellow Managed LaserJet Toner Cartridge<br>**W9173MC** HP W9173MC High Yield Magenta Managed LaserJet Toner Cartridge |

* Inner finisher/inner finisher hole punches are not compatible with 70ppm

# Technical specifications

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|---|---|---|---|---|---|
| Functions | Print, copy, scan, fax (optional) | | | | |
| Print speed[1,2] | A4 Black | Up to 40 ppm | Up to 50 ppm (with 8EP60AAE) | Up to 60 ppm (with 8EP61AAE) | Up to 70 ppm (with 8EP62AAE) |
| | A4 Color | Up to 40 ppm | Up to 50 ppm (with 8EP60AAE) | Up to 60 ppm (with 8EP61AAE) | Up to 70 ppm (with 8EP62AAE) |
| | First page out A4 Black | As fast as 7.1 sec | As fast as 6.5 sec (with 8EP60AAE) | As fast as 6.3 sec (with 8EP61AAE) | As fast as 6.2 sec (with 8EP62AAE) |
| | First page out A4 Color | As fast as 8.3 sec | As fast as 7.4 sec (with 8EP60AAE) | As fast as 7.0 sec (with 8EP61AAE) | As fast as 6.9 sec (with 8EP62AAE) |
| Print resolution##prntresftntnbr## | **Black (normal):** Up to 600 x 600 dpi; **Black (fine lines):** Up to 1200 x 1200 dpi; **Color (normal):** Up to 600 x 600 dpi; **Color (fine lines):** Up to 1200 x 1200 dpi | | | | |
| Print technology | Laser; **Optical:** Fine lines (1200x1200dpi); Normal (600x600dpi); Quick view (300x300dpi) | | | | |
| Print cartridges number | 4 (1 each black, cyan, magenta, yellow) | | | | |
| Standard print languages | HP PCL 5c, HP PCL 6, HP Postscript level 3 emulation, PDF (v 1.7), AirPrint™ compatible | | | | |
| 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 | | | | |
| Color scanning | Yes | | | | |
| Scan speed Normal[3] | Up to 90 ppm/180 ipm (b&w), up to 90 ppm/180 ipm (color) **Duplex:** Up to 180 ipm (b&w), up to 180 ipm (color) | | | | |
| Scan type / Technology | Flatbed, ADF / Platen Scanner CCD Digital-CIS | | | | |
| Scan resolution | **Hardware:** Up to 600 x 600 dpi; **Optical:** Up to 600 x 600 dpi | | | | |
| Scan file format | PDF, Hi-Compression PDF, JPEG, TIFF, MTIFF, XPS, PDF/A | | | | |
| Scan input modes | Front panel applications: Copy; Fax; Scan to Email; Scan to Network Folder; Scan to USB; Scan to Job Storage; Open Extensibility Platform (OXP), HP Workpath applications | | | | |
| Scan Size | **ADF Maximum:** 297 x 864 mm; **ADF Minimum:** 68 x 127 mm; **Flatbed:** 297 x 432 mm; | | | | |
| Duplex ADF scanning | Yes, single pass duplex scanning | | | | |
| ADF capacity | Standard, 200 sheets | | | | |
| Twain version | Version 2.4 | | | | |
| Bit depth / Grayscale levels | 24-bit/256 | | | | |
| Digital sending standard features | Scan to Email; scan to network folder; scan to USB drive; scan to SharePoint; scan to FTP; scan to sFTP; scan to LAN fax; scan to Internet Fax; local address book; SMTP over SSL; automatically detect color/monochrome; high compression PDF; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); content orientation; scan mode (book, 2-sided ID); erase edges; auto page crop; job build; image preview; blank page suppression; automatically straighten | | | | |
| Copy speed[7] | A4 Black | Up to 40cpm | Up to 50cpm (with 8EP60AAE) | Up to 60cpm (with 8EP61AAE) | Up to 70cpm (with 8EP62AAE) |
| | A4 Color | Up to 40 cpm | Up to 50 cpm (with 8EP60AAE) | Up to 60 cpm (with 8EP61AAE) | Up to 70 cpm (with 8EP62AAE) |
| | A4 Black Duplex | Up to 40 cpm | Up to 50 cpm (with 8EP60AAE) | Up to 60 cpm (with 8EP61AAE) | Up to 70 cpm (with 8EP62AAE) |
| | A4 Color Duplex | Up to 40 cpm | Up to 50 cpm (with 8EP60AAE) | Up to 60 cpm (with 8EP61AAE) | Up to 70 cpm (with 8EP62AAE) |
| | First copy out A4 Black | As fast as 4.9 sec | As fast as 4.2 sec (with 8EP60AAE) | As fast as 3.8 sec (with 8EP61AAE) | As fast as 3.5 sec (with 8EP62AAE) |
| | First copy out A4 Color | As fast as 6.5 sec | As fast as 5.6 sec (with 8EP60AAE) | As fast as 4.9 sec (with 8EP61AAE) | As fast as 4.3 sec (with 8EP62AAE) |
| 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; automatically detect color/monochrome; reduce/enlarge; image adjustments (darkness, contrast, background cleanup, sharpness); optimize text/picture (text, mixed, printed picture, photograph); N-Up; N or Z-ordering; content orientation; collate; booklet; scan mode (book, 2-sided ID); watermark; stamps; image overlay; erase edges; job build; image preview; image shift; paper selection; blank page suppression; automatically straighten; scan to job storage | | | | |
| Fax speed | **Up to:** 33.6 kbps | | | | |
| Fax resolution | **Black (best):** Up to 300 x 300 dpi (400 x 400 dpi for received faxes only); **Black (standard):** 203 x 98 dpi | | | | |
| Fax Features | **Fax memory:** Up to 500 pages; **Auto fax reduction supported:** Yes **Auto-redialing:** Yes **Fax delayed sending:** No **Distinctive ring detection supported:** No **Fax forwarding supported:** Yes **Fax phone TAM interface supported:** No **Fax polling supported:** Yes (poll to receive only) **Fax telephone mode supported:** No **Junk barrier supported:** Yes **Maximum speed dialing numbers:** Up to 1000 numbers (each with 210 destinations) **PC interface supported:** Yes **Remote retrieval capability supported:** No **Telephone handset supported:** No | | | | |
| Standard connectivity | 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2); 1 Hi-Speed USB 2.0 (host); 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host) | | | | |
| Network capabilities | Standard (built-in GIGABIT 10/100/1000T Ethernet) | | | | |
| Wireless capability | Optional, enabled with purchase of a hardware accessory | | | | |
| Mobile printing capability | Apple AirPrint™; Mopria™ Certified; Wi-Fi® Direct Printing; NFC Touch-to-print (optional); PrinterOn Print | | | | |
| Memory | **Standard:**6GB; **Maximum:**6GB | | | | |
| Processor speed | Quad Core (1.6GHz), Dual Core (1.4GHz) / **Storage**: Standard, embedded 500 GB hard disk drive / **Hard disk:** Standard, HP LaserJet 500GB Hard Disk Drive; AES 256 hardware encryption; Secure erase capabilities (Secure File Erase-Temporary Job Files, Secure Erase-Job Data, Secure ATA Erase-Disk) | | | | |
| Duty cycle (monthly) | A4: | Up to 180,000 pages | Up to 200,000 pages (with 8EP60AAE) | Up to 250,000 pages (with 8EP61AAE) | Up to 300,000 pages (with 8EP62AAE) |
| Recommended monthly page volume | Up to 60,000 | | | | |

# Technical specifications

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|---|---|
| Paper handling | **Input Capacities:** Up to 1140 sheets (Tray1: up to 100 sheets; Tray2: up to 520 sheets; Tray3: up to 520 sheets) Standard; Up to 50 envelopes; **Input Capacities, Max:** Up to 6,140 sheets; **Output Capacities:** Up to 500 sheets Standard; Up to 100 sheets Transparencies; **Duplex Options:** Automatic; **Envelope feeder:** No; **Standard paper trays:** 3 |
| Media types supported | Plain, HP EcoEFICIENT, HP Matte 90g, Light 60-74g, Bond, Recycled, HP Matte 105g, HP Matte 120g, HP Soft Gloss 120g, HP Glossy 120g, Mid-Weight 96-110g,Heavy 111-130g, Mid-WtGlossy 96-110g, Heavy Glossy 111-130g, HP Matte 150g, HP Glossy 150g, Extra Heavy 131-175g, XHvyGlossy 131-175g, HP Matte 200g, HP Glossy 200g, Card-stock 176-220g, Card Glossy 176-220g, Light Paperboard 221-255g, Paperboard 256-300g, Heavy Paperboard, Color Transparency, Labels, Letterhead, Envelope, Heavy Envelope, Preprinted, Pre-punched, Colored |
| Media weight supported | Tray 1, 2, 3: 60 to 325 g/m² |
| Media sizes supported | **Tray 1**: A3, A4, A4R, A5, A5R, A6, RA3, SRA3, RA4, SRA4, B4 (JIS), B5 (JIS), B6 (JIS), 10x15cm, Oficio, 8K, 16k, Postcard (JIS), Postcard (JIS), Envelope B5, Envelope C5, Envelope C6, Envelope DL; **Tray 2**: A4, A4R, A5, A5R, A6, RA4, B4 (JIS), B5 (JIS), B6(JIS), Oficio, 8K, 16k, Envelope B5, Envelop C5, Envelope C6, Envelope DL; **Tray 3**: A3, A4, A4R, A5, RA3, RA4, B4 (JIS), B5 (JIS), Oficio, 8K, 16k |
| Media Sizes Custom | Tray 1: 98 x 139.7 to 320 x 457.2 mm; Tray 2: 98 x 139.7 to 241.5 x 297 mm; Tray 3: 140 x 182 to 320 x 457.2 mm |
| What's in the box | **5QK03A** HP Color LaserJet Managed MFP E877dn Priner; In box materials; Guide install; Flyer Regulatory; Power Cords; Label; Drums |
| Replacement cartridges[4] | HP Black Managed LaserJet Toner Cartridge (ISO Yield 25,000) W9160MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 22,500) W9161MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 22,500) W9162MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 22,500) W9163MC; HP Black Managed LaserJet Toner Cartridge (ISO Yield 50,000) W9170MC; HP Cyan Managed LaserJet Toner Cartridge (ISO Yield 45,000) W9171MC; HP Yellow Managed LaserJet Toner Cartridge (ISO Yield 45,000) W9172MC; HP Magenta Managed LaserJet Toner Cartridge (ISO Yield 45,000) W9173MC |
| Product dimensions | **W x d x h:** 585 x 694.7 x 907.7 mm; **Maximum:** 1656.7 x 1269 x 1488.5 mm; |
| Product weight | 99.8 kg; |
| Warranty features | 1 Year Parts Only. Extended 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. |
| Energy star certified | Yes |
| Ecolabels | EPEAT® registered; IT ECO Declaration; Blue Angel |
| Control panel | 10.1-in (25.65 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; Speaker |
| Display description | 10.1-in (25.65 cm) touchscreen, WXGA Color Graphic Display (CGD) |
| Software included | No software solutions are included in the box, only on http://www.hp.com or http://123.hp.com |
| 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 authentication, Supports WJA-10 IPsec configuration Plug-in, 802.1X authentication (EAP-PEAP; EAP-TLS), SNMPv3, HTTPS, Certificates; Data: Storage Encryption, Encrypted PDF & Email, SSL/TLS (HTTPS), Encrypted Credentials; Device: HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability), Intrusion Detection (Constant in-device monitoring for attacks), Whitelisting (loads only known good code), HP Memory Shield™, Embedded Trusted Platform Module, HP Connection Inspector, Security lock slot, USB port disablement; Security management: Compatible with HP Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs |
| Compatible operating systems | Windows 11; Windows 10; Windows 7; Windows Client OS; Android; iOS; macOS 10.15 Catalina; macOS 11 Big Sur; macOS 12 Monterey; Chrome OS |
| Compatible network operating systems | Windows Server; Linux; Citrix; Novell |
| Minimum system requirements | **PC:** 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements, see http://www.microsoft.com; **Mac:** 2 GB available hard drive space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements, see http://www.apple.com |
| Power | **Power supply type:** Internal (Built-in) power supply; **Power requirements:** Input voltage: 220 to 240VAC 50/60Hz; **Power consumption:** 820 watts (40ppm, printing), 890 watts (50ppm, printing), 1020 watts (60ppm, printing), 1100 watts (70ppm, printing), 41.5 watts (ready), 0.8 watts (sleep), 0.2 watts (auto-off), 0.2 watts (manual-off) |
| Acoustics | **Acoustic power emissions:** 6.70 Bel(A), printing color simplex A4 at 40ppm; 6.75 Bel(A), printing color simplex A4 at 50ppm; 6.85 Bel(A), printing color simplex A4 at 60ppm; 7.00 Bel(A), printing color simplex A4 at 70ppm; **Acoustic Pressure Emissions (active, printing):** 52dB(A), printing color simplex A4 at 40ppm; 53dB(A), printing color simplex A4 at 50ppm; 54dB(A), printing color simplex A4 at 60ppm; 55dB(A), printing color simplex A4 at 70ppm; **Acoustic Pressure Emissions (active scan):** 54dB(A), ADF scan A4 at 90ipm; 59dB(A), ADF scan A4 at 150ipm |
| Operating environment | **Operating temperature range:** 15 to 30°C; **Recommended operating temperature:** 15 to 30°C; **Storage temperature range:** -10 to 40°C; **Operating humidity range:** 20 to 80% RH; **Recommended humidity operating range:** 20 to 80% RH |

## Messaging Footnotes

[1] HP's most advanced embedded security features are available on HP Managed and Enterprise devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2021 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit: hp.com/go/PrintersThatProtect. For more information, visit: http://www.hp.com/go/PrinterSecurityClaims .
[2] 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.
[3] Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature.
[4] Based on HP review of competitive manufacturer's published app platform specifications as of April 2019. Only HP Workpath offers a combination of app validation upon submission plus automated re-validation of apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Subscription may be required.
[5] HP Security is now HP Wolf Security. Security features vary by platform. For more information, visit http://www.hp.com/wolfsecurity .
[6] Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019-2024. Certification applicable to HP Managed and Enterprise devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf
[7] 100% outer fiber-based packaging and internal fiber-based cushions made from sustainably sourced certified and recycled fibers.
[8] 100% of Original HP Toner Cartridges contain between 1-77% post-consumer or post-industrial recycled content. Does not include toner bottles or other products not listed. See http://www.hp.com/go/TonerRecycledContent for list. Hardware based: Post-consumer recycled is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2, and is expressed as percent of total weight of plastic.
[9] HP voluntarily designs and tests its printing systems to prevent emissions that exceed Blue Angel and EPEAT eco-label guidelines
[10] HP printer, HP paper and Original HP supply - Blue Angel DE-UZ 219 Emissions Criteria.

## Technical Specifications Footnotes

[1] 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.
[2] 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.
[3] Scan speeds measured from ADF. Actual processing speeds may vary depending on scan resolution, network conditions, computer performance, and application software.
[4] Approximate average yield based on ISO/IEC 19798. Actual yield varies considerably based on content of printed pages and other factors. For details, see http://www.hp.com/go/learnaboutsupplies .
[7] First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see hp.com/go/printer claims. Exact speed varies depending on the system configuration and document.
[8] Acoustic values are subject to change. For current information see https://www.hp.com/support

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August 2023