Datasheet | NA

# HP Color LaserJet Enterprise X654dn Printer series

## Powerfully productive. Extraordinarily efficient.

Transform your workflows with advanced capabilities in a compact footprint. Customizable configurations from print speeds to color panels meet the need of busy workgroups. All while protecting your business against evolving security threats.

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

HP Color LaserJet Enterprise X654dn Printer

## Customizable and scalable solutions [8]

- Expand device functionality and performance with upgradeable options through any point while in contract.
- Customize toner volume and supplies included with your device shipment.
- HP's innovative in line scan bar in an A4 printer helps to diagnose print quality issues with accurate remediation steps.

## Fast and seamless digitization

- Customize your print experience with cloud-connected HP Workpath apps. Access personalized content and integrate paper and digital workflows.[1]
- Give your team the tools to succeed with the HP Open Extensibility Platform containing hundreds of HP and third-party solutions, and card reader support.
- Make color management simple with HP Custom Color Manager. Match color output of any document-device combination by simply pulling color profiles from the cloud. Get high-quality color profiles without the hassle of expensive color matching systems .[9]
- Targeted fusing technology[2] requires less energy and helps to reduce cooling requirements allowing for larger, faster color print jobs.

## Everything you expect from an office printer

- Advanced workflow solutions makes this fully featured A4 printer the best choice for all your workgroup needs.
- Get everything done with fast print speeds up to 65 PPM. [3]
- Maintain productivity and stay up to date on the latest features across your fleet with upgradeable HP FutureSmart firmware[4]
- Get maximum productivity and increased print performance with HP's fast dual-core processor for printing at fast speeds.

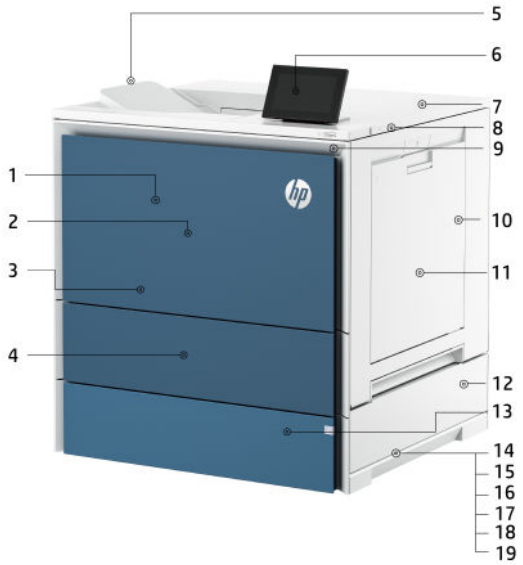
## Always on guard with HP Wolf Security

- 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.
- Memory ShieldTM and expanded run-time intrusion detection protects memory and other applications. Common Criteria certified[7] to continually monitor memory activity, detect and stop zero-day attacks in real time [known/unknown] and self-heal.
- Minimize exposure with whitelisting checks, firmware that is automatically checked during start-up to determine if it's authentic code – digitally signed by HP.

[1] Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalized content and integration functions are applicable to supported HP Workpath apps only.
[2] Targeted fusing technology comes standard on the 6000/X600 series bundles and is offered as an optional service part on the 5000/X500 series.
[3] 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.
[4] 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.
[5] HP Web Jetadmin is available for download at no additional charge at hp.com/go/wja
[6] 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 2022 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.
[7] 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.
[8] To learn more about configure to order options, contact your HP or Partner Representative.
[9] Contact your HP or your Partner Representative to learn more about Custom Color Manager.

## Product walkaround

1. Automatic 2-sided printing
2. Front door access to process cartridges
3. HP eMMC storage
4. Front door access to toner cartridges
5. Slot for cable-type security lock[4]
6. SuperSpeed USB 3.0 Host Port[4]
7. Hi-Speed USB 2.0 Host Port[4]
8. Gigabit Ethernet Port[4]
9. SuperSpeed 3.0 device port[4]
10. (Optional HP Print Quality Diagnostics accessory)[4]
11. 500-sheet output bin supports media sizes up to Legal (8.5x14 inch)
12. 4.3 inch color touchscreen display (10.9 cm)
13. Hardware Integration Pocket1 (for connecting accessories and third-party devices)
14. Easy-access USB port[2]
15. Power button
16. Right door access to the print path
17. 100-sheet multipurpose tray 1 supports media sizes up to Legal (8.5x14 inch)
18. Tray 2 jam access door
19. 550-sheet tray 2 supports media sizes up to Legal (8.5x14 inch)




## Series at a glance

| Model | HP Color LaserJet Enterprise X654dn Printer |
|---|---|
| Product number | 6QQ00A |
| Functions | Print |
| Print speed (A4 and letter, black and color)[3] | 52/55 ppm (A4/letter), 61/65 ppm (A4/letter) with optional speed license |
| Control panel | 4.3 inch color touchscreen display |
| Recommended Monthly Page Volume | Up to 30,000 pages per month |
| Input capacity | 650/3,850 (standard/maximum) |
| Output capacity (standard) | 500-sheets |
| Processor | Dual-core 1.2 GHz |
| Workpath enabled | Yes (with 4GB upgrade) |
| Extensibility | HP FutureSmart 5, OXPd |

[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, excludes first set of test documents. For more information, see hp.com/go/printer claims. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
[4] Additional items included on the back of the printer in the Input/Output Plate.

## 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

### Accessories

| | |
|---|---|
| 1M8J0A | HP 4GB DDR3Lx64 204-pin 933MHz DIMM |
| 1M8J1A | HP 4GB DDR3Lx64 204-pin 933MHz DIMM TAA |
| 2NR12A | HP Removable Hard Drive Enclosure |
| 35H11A | HP HID Mobile Access Mifare DES Fire Keystroking Reader |
| 3JN69A | HP Jetdirect 3100w BLE/NFC/Wireless Accessory |
| 478C2A | HP Printing Voice Assistant |
| 4QL32A | HP Legic Secure USB Reader |
| 4XN67A | Internal USB Expansion Kit |
| 616G9A | HP LaserJet A5 HCI Guide Kit |
| 616H0A | HP LaserJet Statement HCI Guide Kit |
| 630B2A | HP CLJ X654 Constellation Yellow Color Panel Kit |
| 630B3A | HP CLJ X654 Cosmic Green Color Panel Kit |
| 630B4A | HP CLJ X654 Aurora Purple Color Panel Kit |
| 630B5A | HP CLJ X654 Comet Red Color Panel Kit |
| 630B6A | HP CLJ X654 Lunar Gray Color Panel Kit |
| 630C7A | HP 550 Sheet Paper Tray Constellaiton Yellow Panel Kit |
| 630C8A | HP 550 Sheet Paper Tray Cosmic Green Panel Kit |
| 630C9A | HP 550 Sheet Paper Tray Aurora Purple Panel Kit |
| 630D0A | HP 550 Sheet Paper Tray Comet Red Panel Kit |
| 630D1A | HP 550 Sheet Paper Tray Lunar Gray Panel Kit |
| 630D2A | HP HC Tray Constellation Yellow Panel Kit |
| 630D3A | HP HC Tray Cosmic Green Panel Kit |
| 630D4A | HP HC Tray Aurora Purple Panel Kit |
| 630D5A | HP HC Tray Comet Red Panel Kit |
| 630D6A | HP HC Tray Lunar Gray Panel Kit |
| 630D7A | HP Storage Stand Constellation Yellow Panel Kit |
| 630D8A | HP Storage Stand Cosmic Green Panel Kit |
| 630D9A | HP Storage Stand Aurora Purple Panel Kit |
| 630F0A | HP Storage Stand Comet Red Panel Kit |
| 630F1A | HP Storage Stand Lunar Gray Panel Kit |
| 65A28A | HP Color LaserJet Constellation Yellow 550 sheet Paper Tray |
| 65A29A | HP Color LaserJet Cosmic Green 550 sheet Paper Tray |
| 65A30A | HP Color LaserJet Aurora Purple 550 sheet Paper Tray |
| 65A31A | HP Color LaserJet Comet Red 550 sheet Paper Tray |
| 65A32A | HP Color LaserJet Lunar Gray 550 sheet Paper Tray |
| 65A33A | HP Color LaserJet Constellation Yellow 2100 sheet High Capacity Paper Tray/Stand |
| 65A34A | HP Color LaserJet Cosmic Green 2100 sheet High Capacity Paper Tray/Stand |
| 65A35A | HP Color LaserJet Aurora Purple 2100 sheet High Capacity Paper Tray/Stand |
| 65A36A | HP Color LaserJet Comet Red 2100 sheet High Capacity Paper Tray/Stand |
| 65A37A | HP Color LaserJet Lunar Gray 2100 sheet High Capacity Paper Tray/Stand |
| 65A38A | HP Color LaserJet Constellation Yellow Storage Stand |
| 65A39A | HP Color LaserJet Cosmic Green Storage Stand |
| 65A40A | HP Color LaserJet Aurora Purple Storage Stand |
| 65A41A | HP Color LaserJet Comet Red Storage Stand |
| 65A42A | HP Color LaserJet Lunar Gray Storage Stand |
| 6QN54A | HP Color LaserJet Stand |
| 6QN55A | HP Color LaserJet Storage Stand |
| 6QN57A | HP Color LaserJet 550-sheet Media Tray |
| 6QN58A | HP Color LaserJet 2100 HCI Feeder and Stand |
| 8FP31A | HP Jetdirect LAN Accessory |
| 9EQ11A | HP 500GB CCC, FIPS Hard Disk Drive |
| CC543B | HP SmartCard NIPRNet Solution for US Government |
| F8B30A | HP SmartCard SIPRNet Solution for US Government |
| X3D03A | HP USB Universal Card Reader |
| Y7C05A | HP HIP2 Keystroke Reader |

### Supplies

**W9260MC** HP W9260MC Black Managed Original LaserJet Toner Cartridge (~40,000 pages)
**W9261MC** HP W9261MC Cyan Managed Original LaserJet Toner Cartridge (~30,000 pages)
**W9262MC** HP W9262MC Yellow Managed Original LaserJet Toner Cartridge (~30,000 pages)
**W9263MC** HP W9263MC Magenta Managed Original LaserJet Toner Cartridge (~30,000 pages)
**W9280MC** HP W9280MC Black Managed Original LaserJet Imaging Drum (~150,000 pages)
**W9281MC** HP W9281MC Cyan Managed Original LaserJet Imaging Drum (~150,000 pages)
**W9282MC** HP W9282MC Yellow Managed Original LaserJet Imaging Drum (~150,000 pages)
**W9283MC** HP W9283MC Magenta Managed Original LaserJet Imaging Drum (~150,000 pages)

### Solutions

**Overview**: When it comes to business, the more cost-effective and efficient, the better. HP Document and Workflow Solutions can help improve productivity and drive down costs, enabling employees—and your IT team—to work more efficiently.
**Workflow**: HP Workpath Apps
**Security**: HP card readers; HP Access Control; HP Security Manager; HP Advance; HP Secure Print and Insights
**Mobile and universal print**: HP Universal Print Driver (UPD); HP Print for Chrome Extension; HP Smart UPD; HP For Universal Print Workpath App
**Management**: HP Web JetAdmin; HP JetAdvantage Security Manager; HP JetAdvantage Insights; HP Smart Device Services (SDS); Embedded Web Server; HP Custom Color Manager; HP Command Center; HP Command Center 2.0(ECP); Premium Fleet & Security Management on ECP(Premium Experience)

### Services

**U45S6E** - HP 3 year Next Business Day with DMR Service for Color LaserJet Enterprise X654xx
**U45S7E** - HP 4 year Next Business Day with DMR Service for Color LaserJet Enterprise X654xx
**U45S8E** - HP 5 year Next Business Day with DMR Service for Color LaserJet Enterprise X654xx
**U45S9E** - HP 3 year 4 hour 9x5 with DMR Service for Color LaserJet Enterprise X654xx
**U45SBE** - HP 4 year 4 hour 9x5 with DMR Service for Color LaserJet Enterprise X654xx
**U45SCE** - HP 5 year 4 hour 9x5 with DMR Service for Color LaserJet Enterprise X654xx
**U45SDE** - HP 3 year Next Business Day Call to Repair with DMR Service for Color LaserJet Enterprise X654xx
**U45SFE** - HP 4 year Next Business Day Call to Repair with DMR Service for Color LaserJet Enterprise X654xx
**U45SGE** - HP 5 year Next Business Day Call to Repair with DMR Service for Color LaserJet Enterprise X654xx
**U45SJE** - HP 3 year Channel Parts Exchange with DMR Service for Color LaserJet Enterprise X654xx
**U45SKE** - HP 4 year Channel Parts Exchange with DMR Service for Color LaserJet Enterprise X654xx
**U45SLE** - HP 5 year Channel Parts Exchange with DMR Service for Color LaserJet Enterprise X654xx
**U45SMPE** - HP 1 year Post Warranty Next Business Day with DMR Service for Color LaserJet Enterprise X654xx
**U45SNPE** - HP 2 year Post Warranty Next Business Day with DMR Service for Color LaserJet Enterprise X654xx
**U45SQPE** - HP 1 year Post Warranty 4 hour 9x5 with DMR Service for Color LaserJet Enterprise X654xx
**U45SRPE** - HP 2 year Post Warranty 4 hour 9x5 with DMR Service for Color LaserJet Enterprise X654xx
**U45SSPE** - HP 1 year PW Next Business Day Call to Repair with DMR Service for Color LaserJet Enterprise X654xx
**U45STPE** - HP 2 year PW Next Business Day Call to Repair with DMR Service for Color LaserJet Enterprise X654xx
**U45SVPE** - HP 1 year Post Warranty Channel Parts Exchange with DMR Service for Color LaserJet Enterprise X654xx
**U45SWPE** - HP 2 year Post Warranty Channel Parts Exchange with DMR Service for Color LaserJet Enterprise X654xx
**U9JT2E** - HP Installation Service with network configuration for Workgroup Printer(1 unit)
**U45VSE** - HP Maintenance Kit Replacement Service for Color LaserJet Enterprise X654xx Fuser 110 Enhanced
**U45VTE** - HP Maintenance Kit Replacement Service for Color LaserJet Enterprise X654xx Fuser 220 Enhanced
**U45VVE** - HP Maintenance Kit Replacement Service for Color LaserJet Enterprise X654xx ITB
**U45VWE** - HP Maintenance Kit Replacement Service for Color LaserJet Enterprise X654xx Transfer Roller
**U45VNE** - HP Maintenance Kit Replacement Service for Color LaserJet Enterprise 670x X654xx TCU
**U45VQE** - HP Maintenance Kit Replacement Service for Color LaserJet Enterprise 670x X654xx MP Tray Roller
**U45VRE** - HP Maintenance Kit Replacement Service for Color LaserJet Enterprise 670x X654xx Tray 2 Roller

[1] Not all MFPs may be compatible with Workpath apps. To enable HP Workpath, some devices may require optional accessory or firmware to be upgraded. Not all apps may be available in all locations. Subscription may be required. Personalized content and integration functions are applicable to supported HP Workpath apps only.
[2] Targeted fusing technology comes standard on the 6000/X600 series bundles and is offered as an optional service part on the 5000/X500 series.
[3] 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.
[4] 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.
[5] HP Web Jetadmin is available for download at no additional charge at hp.com/go/wja
[6] 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 2022 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.
[7] 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.
[8] To learn more about configure to order options, contact your HP or Partner Representative.
[9] Contact your HP or your Partner Representative to learn more about Custom Color Manager.

# HP Color LaserJet Enterprise X654dn Printer series

| | |
|---|---|
| **Model** | HP Color LaserJet Enterprise X654dn Printer |
| **Product number** | 6QQ00A |
| AIO functions | Print |
| **Print** | |
| Print speed | As fast as 7.3 sec; As fast as 6.4 sec (with 49L06AAE) Color; **First page out A4:** As fast as 6.4 sec; As fast as 6.0 sec (with 49L06AAE) Black; As fast as 7.4 sec; As fast as 6.5 sec (with 49L06AAE) Color; **Letter:** Up to 55 ppm; Up to 65 ppm (with 49L06AAE) Black; Up to 55 ppm; Up to 65 ppm (with 49L06AAE) Color; **A4:** Up to 52 ppm; Up to 61 ppm (with 49L06AAE) Black; Up to 52 ppm; Up to 61 ppm (with 49L06AAE) Color; **Print speed (Landscape, A5):** Up to 84 ppm; Up to 99 ppm (with 49L06AAE) Black; Up to 84 ppm; Up to 99 ppm (with 49L06AAE) Color |
| 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<br>**Color (best):** 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; **Print resolution technology:** HP ImageREt 4800, Fine Lines (1200x1200 dpi), Quickview (300x300 dpi) |
| Print cartridges number | 4 (1 each black, cyan, magenta, yellow), 4 imaging drums (1 each for black, cyan, magenta, yellow) |
| Standard print languages | HP PCL 6, HP PCL 5, HP PostScript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™ |
| Printer smart software features | Apple AirPrint™, Mopria-certified, HP ePrint, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 4.3" touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview |
| Printer management | HP Web JetAdmin; HP JetAdvantage Security Manager, HP JetAdvantage insights, Embedded Web Server, HP Command Center, HP Secure Fleet Manager Advanced. HP Smart Device Services (SDS) |
| **Connectivity** | |
| Standard connectivity | 1 SuperSpeed USB 3.0 (device); 1 SuperSpeed USB 3.0 (host); 1 Hi-Speed USB 2.0 (host); 1 Gigabit Ethernet 10/100/1000T network; 1 Hardware Integration Pocket 2nd generation (HIP2) |
| 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); 802.11a/b/g/n wireless networking (optional). |
| Mobile printing capability | HP ePrint; Apple AirPrint™; Mopria™ Certified; NFC touch-to-print (optional) |
| **Memory** | **Standard:** 2 GB; **Maximum:** 6 GB |
| **Processor speed** | 1.2 GHz / **Storage:** 16 GB eMMC / **Hard disk:** Standard, 16 GB eMMC; Optional, 32 GB eMMC; Optional, minimum 500 GB HDD; Optional, 256 GB SSD |
| **Duty cycle (monthly)** | **Letter:** Up to 180,000 pages; **A4:** Up to 180,000 pages; **Recommended monthly page volume:** 3,000 to 24,000 |
| **Paper handling** | |
| Input | 550-sheet input tray, 100-sheet multi-purpose tray; Up to 650 sheets Standard |
| Output | Up to 500 sheets Standard |
| Duplex Options | Automatic |
| Envelope feeder | No |
| Standard paper trays | **Standard:** 2; **Maximum:** Up to 6 |
| Media types | Paper (plain, light, intermediate, light bond, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy), color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined |
| Media weight | Tray 1: 16 to 58 lb (plain), 32 to 58 lb (glossy); Tray 2: 16 to 58 lb (plain), 32 to 58 lb (glossy); optional 550-sheet input trays: 16 to 58 lb (plain), 32 to 58 lb (glossy); optional 2,100-sheet high-capacity input: 16 to 58 lb (plain); Tray 1: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); Tray 2: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); optional 550-sheet input trays: 60 to 220 g/m² (plain), 120 to 220 g/m² (glossy); optional 2,100-sheet high-capacity input: 60 to 220 g/m² (plain) |
| Media sizes | Tray 1: letter, legal, executive, statement, Oficio, 3 x 5 in, 4 x 6 in, 5 x 7 in, 5 x 8 in, envelopes (No. 9, No. 10, Monarch); Tray 2, optional 1x550-sheet feeders: letter, legal, executive, statement, Oficio, 4 x 6 in, 5 x 7 in, 5 x 8 in; optional 2,100-sheet high-capacity feeder: letter, legal; statement (with optional accessory); Tray 1: A4, A5, A6, RA4, B5, B6, 16k, 10 x 15 cm, Oficio, postcards (JIS single and double) envelopes (DL, C5, B5, C6); Tray 2, optional 1x550-sheet feeders: A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio, 16k, Dpostcard (JIS); optional 2,100-sheet high-capacity feeder: A4; A5 (with optional accessory) |
| Media Sizes Custom | Tray 1: 2.52 x 5 to 8.5 x 47.24 in; Tray 2, optional 1x550-sheet feeders: 4 x 5.83 to 8.5 x 14 in; optional 2,100-sheet high-capacity feeder: custom sizes not supported in this tray; Tray 1: 64 x 127 to 216 x 1200 mm; Tray 2, optional 1x550-sheet feeders: 101 x 148 to 216 x 356 mm; optional 2,100-sheet high-capacity feeder: custom sizes not supported in this tray |
| **Dimensions (W x D x H)**[6] | 19.7 x 18.1 x 21.1 in; 500 x 460 x 535mm; **Maximum:** 33.9 x 30.3 x 23.2 in; 860 x 770 x 590mm |
| **Weight** | 92.7 lb; 42.0 kg |
| **What's in the box**[2] | HP Color LaserJet Single-function Printer; HP Black Original LaserJet Toner Cartridge (~9,000 yield), HP Cyan, Magenta and Yellow Original LaserJet Toner Cartridges (~5,000 yield each) (toner cartridges installed); Documentation (Hardware Install Guide); Power cord; Tray Lock Kit (Paper-size cassette locks, paper tray interface screws, P-cartridge door access control screws) |
| **Replacement cartridges**[5] | W9260MC HP W9260MC Black Managed Original LaserJet Toner Cartridge (~40,000 pages); W9261MC HP W9261MC Cyan Managed Original LaserJet Toner Cartridge (~30,000 pages); W9262MC HP W9262MC Yellow Managed Original LaserJet Toner Cartridge (~30,000 pages); W9263MC HP W9263MC Magenta Managed Original LaserJet Toner Cartridge (~30,000 pages); W9280MC HP W9280MC Black Managed Original LaserJet Imaging Drum (~150,000 pages); W9281MC HP W9281MC Cyan Managed Original LaserJet Imaging Drum (~150,000 pages); W9282MC HP W9282MC Yellow Managed Original LaserJet Imaging Drum (~150,000 pages); W9283MC HP W9283MC Magenta Managed Original LaserJet Imaging Drum (~150,000 pages) |
| **Warranty features** | One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://hp.com/support to learn about HP award winning service and support options in your region. |
| **Energy star certified** | Yes |
| **Ecolabels**[1] | Blue Angel; CECP; IT ECO Declaration; EPEAT® Gold registered; SEPA; KOECO |
| **Control panel** | 4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) display; |
| **Display** | 4.3-in (10.92 cm) Color Graphics Display (CGD) with touchscreen; rotating (adjustable angle) |
| **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 | SAP; Novell; UNIX; Chrome OS; Citrix; Linux; macOS 12 Monterey; macOS 11 Big Sur; macOS 10.15 Catalina; Mobile OS; iOS; Android; Windows Client OS; Windows Server; Windows 7; Windows 10; Windows 11 |
| Compatible network operating systems | Windows 11; SAP; Novell; UNIX; Chrome OS; Citrix; Linux; macOS 12 Monterey; macOS 11 Big Sur; macOS 10.15 Catalina; Mobile OS; iOS; Android; Windows Client OS; Windows 10; Windows 7; Windows Server |
| Minimum system requirements | **PC:** 2 GB available hard disk space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see microsoft.com;;<br>**Mac:** 2 GB available hard drive space; Internet connection; or USB port; Internet browser. For additional OS hardware requirements see apple.com; |
| **Power**[3] | **Power supply type:** Built in 110V or 220 V Power Supply (not dual voltage, power supply varies by part number with option code identifier); **Power supply required:** Input voltage: 100V to 127V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 12 A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60Hz nominal (+/- 3Hz), 6 A; **Power consumption:** 780 watts (Printing/Copying), 47.3 watts (Ready), 1.23 watts (Sleep), 0.08 watts (Auto Off/Manual On), 0.08 watts (Manual Off); **Typical electricity consumption (TEC) number:** 0.847 kWh/week (Energy Star 3.0); 0.811 kWh/week (Blue Angel) |
| **Acoustics** | **Acoustic power emissions:** 6.7 B(A) |
| **Operating environment** | **Operating temperature range:** 50 to 91 °F; 10 to 32.5 °C **Recommended operating temperature:** 59 to 80.6 °F; 15 to 27 °C **Storage temperature range:** -4 to 140 °F; -20 to 40 °C **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, ...); Security management: Compatible with Device Security Syslog Messages processed and accessable in Arcsight and Splunk SIEMs |

[1] EPEAT® registered where applicable. EPEAT registration varies by country. See https://www.epeat.net for registration status by country. [2] For yield information on the cartridge(s) included with your printer, see https://www.hp.com/go/toneryield. Yield values measured in accordance with ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. [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. Energy Star value typically based on measurement of 115 V device. [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. Energy Star value typically based on measurement of 115V device and 230V for Blue Angel. [5] Declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see https://www.hp.com/go/toneryield [6] Maximum dimensions means doors, paper trays, and ADF (if applicable) are fully open.

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