

HP Color LaserJet Enterprise X654 series printers



Product Guide (X654 series)

Powerfully
productive.
Extraordinarily
efficient.

The modern workforce demands radical flexibility and agility to collaborate across teams and tasks. Now, you can empower employees with the innovative and efficient HP Color LaserJet Enterprise X654 series printers. With robust copier capabilities in print volume, input and finishing options, print speed performance, and solutions that scale with your business; these redesigned printers are here to support today's business demands and those yet to come. Explore how this managed portfolio is right for your business today.



More than a printer,
in a compact footprint



Customizable
and scalable solutions



Fast and seamless
digitization

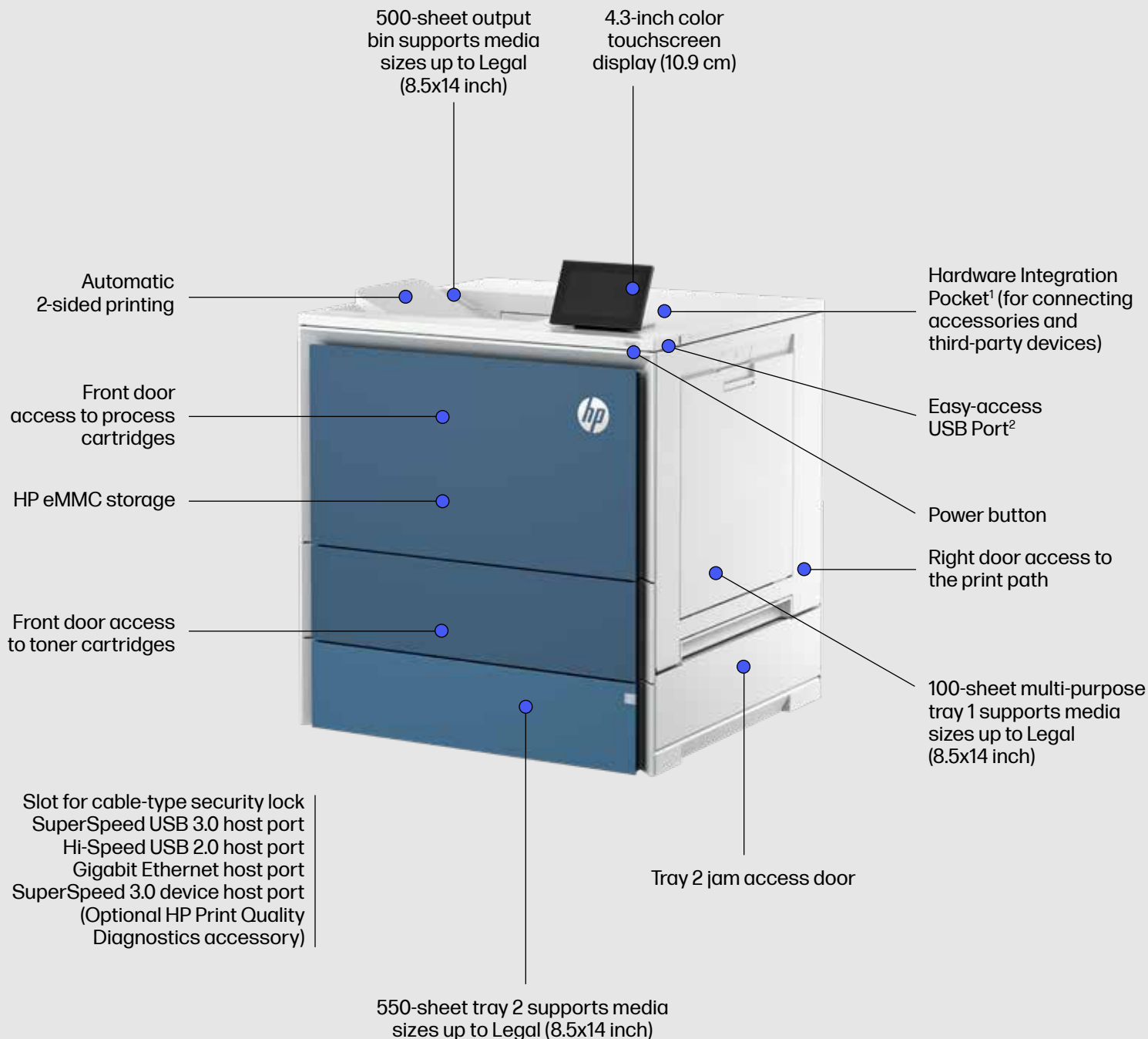


HP WOLF SECURITY

Always on guard with HP
Wolf Security⁴

Get to know the HP Color LaserJet Enterprise X654 series

HP Color LaserJet Enterprise X654dn shown



Series at a glance



| | |
|---|--|
| Model | HP Color LaserJet Enterprise X654dn |
| 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 |
| RMPV | Up to 30,000 pages per month |
| Input capacity | 650/3,850 (std./max.) |
| Output capacity (standard) | 500 sheets |
| Processor | Dual-core 1.2 GHz |
| Workpath enabled | Yes (with 4 GB upgrade) |
| Extensibility | HP FutureSmart 5, OXPd |

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, excludes first set of test documents. For more information, see hp.com/go/printer claims. The exact speed varies depending on the system configuration, software application, driver, and document complexity.
4. HP Security is now HP Wolf Security. Security features vary by platform, please see the product data sheet for details.

HP Color LaserJet Enterprise X654dn technical specifications

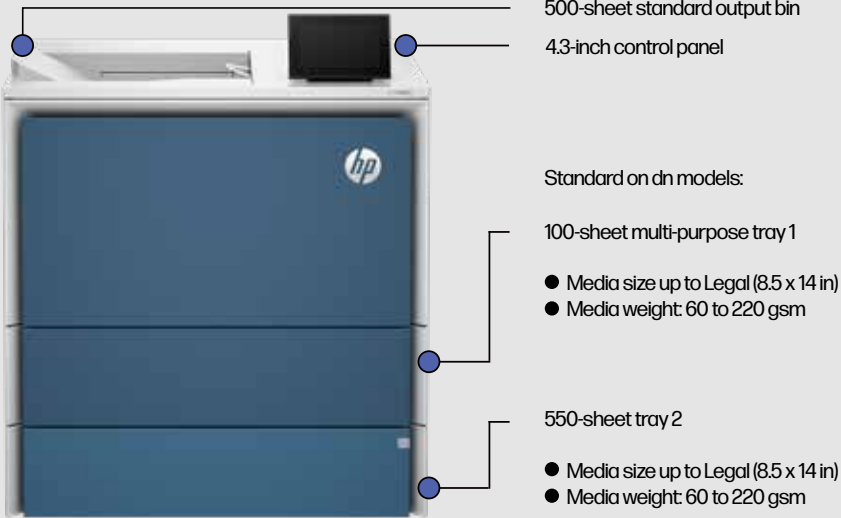
| | | | | |
|--|--|--|--|--|
| Electromagnetic emission standard | CISPR 22:2008 (International) - Class A, CISPR 32:2015 (International) - Class A / EN 55032:2015 + A11:2020 (EU) - Class A, CISPR 35:2016 (International), EN 55035:2017 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013 + A1:2019 + A2:2021, FCC CFR 47 Part 15 Class A, ICES-003 Issue 7 Class A; Other EMC approvals as required by individual countries. | | | |
| Ecolabels | CECP; IT ECO Declaration; Blue Angel; SEPA; EPEAT® Gold registered; KOECO | | | |
| ENERGY STAR® certified | Yes | | | |
| Safety approvals and requirements | IEC 60950-1; IEC 60950-1:2005 + A1:2009 + A2:2013 (International); IEC 62368-1:2014; EN 62368-1:2014(EU); EN 60825-1:2014 + A11:2021/IEC 60825-1:2014 (Class 1 Laser Product); EN 62479:2010/IEC 62479:2010; Low Voltage Directive 2014/35/EU with CE Mark (Europe); GS certificate (Germany, Europe); UL/cUL Listed and UC CoC (US/Canada); UL 62368-1 2nd Ed. 2014-12-01, CSA C22.2 No. 62368-1-14, 2 nd Ed.; Compliance with laser safety standards 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 56, dated May 8, 2019; Other safety approvals as required by individual countries. | | | |
| Blue Angel compliance | Yes, Blue Angel DE-UZ 219—only ensured when using Original HP supplies | | | |
| Sustainable impact specifications | 5% post-consumer recycled plastic; ENERGY STAR® certified; EPEAT® registered | | | |
| Product short name | X654 | | | |
| Package dimensions | Metric: 598 x 684 x 652 mm Imperial: 23.54 x 26.93 x 25.67 in | | | |
| Product dimensions | Metric: 500x460x535 mm Imperial: 19.7x18.1x21.1 in | | | |
| What is 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) | | | |
| Weight | Metric: 39.21 kg Imperial: 86.26 lb | | | |
| Package weight | Metric: 43.4 kg Imperial: 95.55 lb | | | |
| Manufacturer warranty | 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. | | | |
| Printer smart software features | Apple AirPrint™, Mopria-certified, 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-in touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs, print preview | | | |
| 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) | | | |
| Power supply type | Built-in 110V or 220V 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 - 60 Hz nominal (+/- 3 Hz), 12A; Input voltage: 220V to 240V nominal (+/-10%), 50 - 60 Hz nominal (+/- 3 Hz), 6A | | | |
| Number of simultaneous users (local + network) | 10-30 users | | | |
| Typical Electricity Consumption (TEC) number | 0.847 kWh/week (ENERGY STAR 3.0); 0.811 kWh/week (Blue Angel) | | | |
| Replacement cartridges | HP Black Managed Original LaserJet Toner Cartridge (~40,000 pages) W9260MC; HP Cyan Managed Original LaserJet Toner Cartridge (~30,000 pages) W9261MC; HP Yellow Managed Original LaserJet Toner Cartridge (~30,000 pages) W9262MC; HP Magenta Managed Original LaserJet Toner Cartridge (~30,000 pages) W9263MC; HP Black Managed Original LaserJet Imaging Drum (~150,000 pages) W9280MC; HP Cyan Managed Original LaserJet Imaging Drum (~150,000 pages) W9281MC; HP Yellow Managed Original LaserJet Imaging Drum (~150,000 pages) W9282MC; HP Magenta Managed Original LaserJet Imaging Drum (~150,000 pages) W9283MC | | | |
| Supplies feature | TerraJet Cartridge | | | |
| Connectivity, opt. | HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A | | | |
| 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 | Apple AirPrint™; Mopria™ certified; NFC touch-to-print (optional) | | | |
| 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™, 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 | | | |
| Connectivity, Std. | 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 2 nd generation (HIP2) | | | |
| Acoustic power emissions (active, printing) | 6.7 B(A) | | | |
| Acoustic pressure emissions bystander (active, printing) | 55 dB(A) | | | |
| Operating humidity range | 10 to 80% RH | Recommended range | 30 to 70% RH | |
| Operating temperature range | Celsius: 10 to 32.5°C | Recommended celsius: 15 to 27°C | Fahrenheit: 50 to 91°F | Recommended fahrenheit: 59 to 80.6°F |
| Storage temperature range | Celsius: -20 to 40°C | | Fahrenheit: -4 to 140°F | |
| Memory | Standard: 2 GB | Maximum: 6 GB | Slots: 1 slot, DIMM | |
| Print margin | A4 Top: 4.3 mm | A4 Bottom: 4.3 mm | A4 Left: 4.3 mm | A4 Right: 4.3 mm |
| Print resolution technologies | HP ImageREt 4800, Fine Lines (1200 x 1200 dpi), Quickview (300 x 300 dpi) | | | |
| Print resolution color (best) | Up to 1200 x 1200 dpi | | | |
| Print speed | A4 Black: Up to 52 ppm; Up to 61 ppm (with 49L06AAE) | Letter Black: Up to 55 ppm; Up to 65 ppm (with 49L06AAE) | A4 Color: Up to 52 ppm; Up to 61 ppm (with 49L06AAE) | Letter Color: Up to 55 ppm; Up to 65 ppm (with 49L06AAE) |
| | Up to 55 ppm (black) and 55 ppm (color); with optional speed license, print speed up to 65 ppm (black) and 65 ppm (color) | | | |

HP Color LaserJet Enterprise X654dn technical specifications

| | | | |
|---|--|---|--|
| First page out | Black | A4, ready | As fast as 6.4 sec; As fast as 6.0 sec (with 49L06AAE) |
| | Color | A4, ready | As fast as 7.4 sec; As fast as 6.5 sec (with 49L06AAE) |
| Duty cycle | A4 | Monthly | Up to 180,000 pages |
| | Letter | Monthly | Up to 180,000 pages |
| Recommended monthly page volume | 3,000 to 24,000 | | |
| Hard disk | Standard, 16 GB eMMC; Optional, minimum 500 GB HDD | | |
| Print languages, standard | HP PCL 6, HP PCL 5, HP postscript level 3 emulation, native PDF printing (v 1.7), Apple AirPrint™ | | |
| Printer management | HP Web Jetadmin; Embedded Web Server; HP Security Manager; HP Insights; HP Advance; HP Command Center; HP Smart Device Services (SDS) | | |
| 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 | | |
| Top key features | Front USB flash drive port; Optional high-capacity trays; Touchscreen; TerraJet Cartridge | | |
| Target number of users and print volume | For teams over 25 users; Prints up to 24,000 pages/month | | |
| Duplex print options | Automatic | | |
| Print technology | Laser | | |
| Paper trays, standard | 2 | | |
| Input capacity | Standard: Up to 650 sheets | | Maximum: Up to 3,850 sheets |
| Media type and capacity tray 1 | Paper: 100 sheets of 75 g/m ² media | | Envelopes: 10 |
| Output capacity | Standard: Up to 500 sheets | | Maximum: Up to 500 sheets |
| Paper handling standard | Input: 550-sheet input tray, 100-sheet multi-purpose tray | | |
| Media handling, document finishing | Sheet-fed | | |
| 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, pre-printed, pre-punched, colored, rough, opaque film, user-defined | | |
| Standard media sizes supported | Metric | 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) | |
| | Imperial | 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) | |
| Media size, tray 1 | Metric | A4, A5, A6, RA4, B5, B6, 10 x 15 cm, Oficio 216 x 340, 16k, Postcard (JIS), DPostcard (JIS), Envelopes (DL, C5, B5, C6); custom 64 x 127 to 216 x 1200 mm | |
| Media sizes custom | Imperial | 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 | |
| Media weights supported | By paper path | Metric | Tray 1: 60 to 220 g/m ² (plain), 120 to 220 g/m ² (glossy); Tray 2: 60 to 220 g/m ² (plain), 120 to 220 g/m ² (glossy); optional 550-sheet input trays: 60 to 220 g/m ² (plain), 120 to 220 g/m ² (glossy); optional 2,100-sheet high-capacity input: 60 to 220 g/m ² (plain) |
| | | Imperial | 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 | Metric | 60 to 220 g/m ² (plain), 120 to 220 g/m ² (glossy) |
| Key media sizes supported | Metric | A4 | |
| | Imperial | Letter; Legal | |
| Security management | Identity management: Kerberos authentication; LDAP authentication; 1000-user pin codes; optional HP and 3 rd party advanced authentication solutions (e.g., badge readers); Network: IPsec/firewall with Certificate, Pre-shared Key; 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; Sure Start, 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 accessible in Arcsight and Splunk SIEMs | | |
| Mac compatible | Yes | | |
| Software included | No software solutions are included in the box, only on http://hp.com http://123.hp.com | | |
| 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 | | |
| System requirements, Macintosh, minimum | 2 GB available hard drive space; Internet connection; or USB port; Internet browser; For additional OS hardware requirements, see: apple.com | | |
| System requirements, minimum | 2 GB available hard disk space; Internet connection; or USB port; Internet browser; For additional OS hardware requirements, see: microsoft.com | | |

Configuration

HP Color LaserJet Enterprise X654 series



Paper handling accessories

Stand and input devices

Paper input and stand options



| Product number | 6QN57A | 6QN54A | 6QN55A | 6QN58A |
|-----------------------|--|---|---------------------------------|---|
| Product description | HP Color LaserJet 550 sheet paper tray | HP Color LaserJet stand | HP Color LaserJet storage stand | HP Color LaserJet 2100 high capacity feeder and stand |
| Configuration: X654dn | Compatible (up to 4 or 2 if storage stand or HCI is added) Desktop: Recommended add up to 2 | Compatible Recommended: Add stand if 3 or more 550 trays are added | Compatible | Compatible |