HP DesignJet T650 24-in Printer 2025 Edition



The world's smallest plotters¹—intuitive and responsibly designed.



INTUITIVE-Easy, effortless printing

- Simplify printing with the new HP Click Print solutions -save time with real-print preview.2
- Print multi-size A4/A to A1/D projects automatically. without manually switching the media source.
- Print your jobs and manage your plotter virtually anywhere, anytime with the HP app.

RESPONSIBLY DESIGNED-Reduce energy and plastic

- Save 65% energy⁴ with the printer on/off auto scheduler and enjoy efficient ink maintenance routines⁵
- Minimize plastic waste by more than 70% with a new molded fiber packaging and removal of most plastic
- Made with at least 40% recycled plastic⁷ and the first HP large format printer containing recycled metal.8
- Certified by UL ECOLOGO®.9 Registered in EPEAT Gold and achieves EPEAT Climate+10.

OPTIMIZED-Fits the way you work

- Save space with the world's smallest plotters¹ designed to fit your office, including a built-in stand.
- Avoid waiting by the printer with printing as fast as 26 seconds per A1/D plot.11
- Protect your printer from cyberthreats with HP Wolf
- Get high-quality results-HP Bright Office Inks deliver better line accuracy¹² and up to 34% more gamut.¹³

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 cartridaes that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: http://www.hp.com/learn/ds

Messaging Footnotes

Based on comparison of operational footprint. Test performed by Sogeti and commissioned by HP in May 2024.

2HP One-click printing with HP Click software. HP Click software is only compatible with Original HP ink supplies. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.

3Requires HP Smart app download available at https://www.hp.com/go/mobileprinting. Certain features are available in a flat language only, and may vary by printer model/country, and between desktop/mobile applications. HP reserves the right to introduce charges for use of functionality facilitated by the HP app. Internet access required and may not be available in all countries. HP account required for full functionality. List of supported operating systems available in app stores.

3The percentage reductions in energy consumption are based on tests conducted by HP, 2024. Data based on the implementation of auto-scheduled on/off usage in various printer models, measured on a monthly basis. Actual savings may vary depending on the specific usage patterns, printer models, and environmental conditions.

3Use up to 96% less ink for routine maintenance vs. competitor. Based on HP internal testing, June 2024, comparing the HP DesignJet T200 Printer series and Canon IPF TM printer series in terms of ink used during routine printhead cleanings.

3The HP DesignJet T200/T600 Series 2025 Edition plotter uses polystyrene-free packaging with model and at least a 72% reduction in the new 24-inch model, compared to the previous T200/T600 models.

3The operation of a minimum of 5% of certified recycled ented to be implemented in units marked in units marked to be implemented in units marked in the set of the total weight plastic. Post-consumer recycled content is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1880.2.

*Recycled plastia se expressed as a percentage or the total weight plastic. Post-constituter recycled content is abosed on the definition set in the EPEA standard for influging equipment, IEEE 1000.2.

**Recycled most is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal. This number is the minimum and may vary slightly due to manufacturing processes and material availability.

OLE COLOGO Certified HP 712 links meet a range of stringent human health and environmental considerations. For certifications, see http://www.ul.com/EL and http://www.ul.com/g0

**The T200/T600 is EPEAT Gold in the U.S. and Canada and has achieved EPEAT Climate+. See https://www.epeat.net for registration status and tier levels by country.

**The HP Design_let T650 2025 Edition 24-in delivers AI/D prints in 26 seconds.

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**The HP Design_let T650 2025 Edition 24-in delivers AI/D prints in 26 seconds.

Estets line accuracy based on test commissioned by HP and performed by Sogeti in June, 2024. Clear lines based on the number of line breaks found in 2 mm of line. On vertical and diagonal 1px RGB (160,160,160) lines. Printed on Oce 75 g plain paper using equivalent

fast print modes. For output produced with HP DesignJet T200 Printer series, Canon iPF TC-20 and Epson SC-T3100 on Oce 75gsm plain paper using equivalent for printer series, Canon iPF TM printer series, Canon iPF TC-20 and Epson SC-T3100 on Oce 75gsm plain paper using equivalent fast/draft print modes.

















Technical specifications

| • | |
|------------------------|--|
| Print | |
| Print speed | 26 sec/page on D, 81 D prints per hour ¹ |
| Print resolution | Up to 2400 x 1200 optimized dpi |
| Technology | HP Thermal Inkjet |
| Margins | Roll: $0.2 \times 0.2 \times 0.2 \times 0.2$ in; Sheet: $0.2 \times 0.2 \times 0.2 \times 0.7$ in (manual feed); $0.2 \times 0.2 \times 0.2$ in (input tray) |
| Ink types | Dye-based (C, M, Y); pigment-based (K) |
| Ink cartridges | 4 (C, M, Y, K) |
| Ink drop | 5.5 pl (C, M, Y); 12 pl (K) |
| Cartridge size | 80 ml (K); 38 ml (K); 29 ml (C, M, Y) |
| Page Yield | 20 ml of ink yields 101 A1/D pages, taking into account maintenance routines ² |
| Printheads | 1 (cyan, magenta, yellow, black) |
| Printhead nozzles | 1376 |
| Line accuracy | ±0.1% ³ |
| Minimum line width | 0.0008 in |
| Max optical density | 8 L* min/2.10 D ⁴ |
| Media | |
| Applications | Line drawings; Presentations; Renderings |
| Handling | Sheet feed, roll feed, automatic sheet feeder, media bin, automatic horizontal cutter |
| Maximum media width | 24 in |
| Media rolls | 1 |
| Roll size | 11 to 24 in |
| Maximum roll weight | 9 lb |
| Maximum roll diameter | 3.9 in |
| Sheet/board size | Auto sheet feeder: 8.3 x 11 to 13 x 19 in; manual feed: 8.3 x 11 to 24 x 74.7 in |
| Standard sheets/boards | Auto sheet feeder: A, B; manual feed: A, B, C, D |
| Media types | Bond and coated paper (bond, coated, heavyweight coated, plain, bright white, blueprint), technical paper (natural tracing), film (clear, matte), photographic paper (satin, gloss, semigloss, polypropylene), self-adhesive (adhesive, polypropylene) |
| Embedded controller | |
| Memory | 1GB |
| Hard disk | None |
| Native print languages | HP-GL/2, HP-RTL, CALS G4, JPEG, URF |
| Connectivity | |
| Interfaces | Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0, Wi-Fi 802.11a/b/g/n, Wi-Fi Direct |
| Printing paths | HP Click App, HP Click Driver, HP app, Windows and MacOS printer drivers, HP-GL/2 driver for Windows, Apple AirPrint, Android Default Print Service, Printing support for ChromeOS, Email printing |
| Remote print enabled | Yes |

| Rester driver for macOS and Windows, HP-GL/2 driver for Windows, HP Click Driver for Windows 11 Security features | One-click multi-size printing Yes | | |
|--|-----------------------------------|--|--|
| Code Signature Validation; Automatic FW Updates; HTTPS Redirect enabled by default; SNMPv1/2 read-only by default; SNMPv3 disabled by default; SNMPv3 (read-only befault); SNMPv3 (read- | Drivers | | |
| Printer 39.9 x 23.8 x 36.7 in Shipping 45.5 x 22.6 x 18.1 in Weight Printer 65 lb Shipping 83.8 lb Included What's in the box HP Design Jet T650 24-in Printer, printer stand, automatic sheet feeder, roll cover, printhead, introductory ink cartridges, spindle, quick reference guide, setup poster, power cord HP Software and solutions HP Click App for Windows and macOS, HP Click Driver for Windows 11, HP app for Windows, macOS, Android and iOS Ervironmental ranges Operating temperature 41 to 104°F Operating temperature 40 to 88% RH Operating altitude Up to 9843 ft Storage temperature 40% Acoustics Sound pressure Printing: 42 dB(A) (operating), <16 dB(A) (idle) Sound power Printing: 5.8 B(A) (operating), <3.4 B(A) (idle) Power Consumption <35 W (printing), <5.6 W (ready), <2.1 W (sleep), <0.2 W (standby) Requirements Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1200 mA max Certification Safety USA and Canada (CSA certified); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, Khazakstan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS); Mexico (NYCE) Electromagnetic Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC/RED Directives), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class B product: Korea (KCC) Environmental Environmental Environmental | · | Code Signature Validation, Automatic FW Updates; HTTPS Redirect enabled by default; SNMPv/3 erad-only by default; SNMPv3 disabled by default; Write-protected memory, HP Cartridge Security; Unique password; Disable USB ports; TLS 1.2; 802.1x; IPv4 & IPv6 Compatibility; | |
| Shipping 45.5 x 22.6 x 18.1 in Weight | Dimensions (WxDxH) | | |
| Weight Printer 65 lb Shipping 83.8 lb Included What's in the box HP DesignJet T650 24-in Printer, printer stand, automatic sheet feeder, roll cover, printhead, introductory ink cartridges, spindle, quick reference guide, setup poster, power cord HP Software and solutions HP Click App for Windows and macOS, HP Click Driver for Windows 11, HP app for Windows, macOS, Android and iOS Environmental ranges Operating temperature 41 to 104°F Operating humidity 20 to 80% RH Operating altitude Up to 9843 ft Storage temperature 40% Acoustics Sound pressure Printing: 42 dB(A) (operating), <16 dB(A) (idle) Sound power Printing: 5.8 B(A) (operating), <3.4 B(A) (idle) Power Consumption <35 W (printing), <5.6 W (ready), <21 W (sleep), <0.2 W (standby) Requirements Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1200 mA max Certification Safety USA and Canada (CSA certified); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, Khazakstan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS); Mexico (NYCE) Electromagnetic Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC/RED Directives), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Certified as Class B product: Korea (KCC) Environmental ENERGY STAR; WEEE; EU RoHS; EAEU RoHS; REACH; ErP; EPEAT Climate+ Gold; UL Ecologo | Printer | 39.9 x 23.8 x 36.7 in | |
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| What's in the box HP Design.Jet T650 24-in Printer, printer stand, automatic sheet feeder, roll cover, printhead, introductory ink cartridges, spindle, quick reference guide, setup poster, power cord HP Click App for Windows and macOS, HP Click Driver for Windows 11, HP app for Windows, macOS, Android and iOS Environmental ranges Operating temperature 41 to 104°F Operating humidity 20 to 80% RH Operating altitude Up to 9843 ft Storage temperature 43 to 131°F Recycled plastic in printer 40% Acoustics Sound pressure Printing: 42 dB(A) (operating), <16 dB(A) (idle) Sound power Printing: 5.8 B(A) (operating), <3.4 B(A) (idle) Power Consumption | | | |

Ordering information

| Product | | |
|-------------------------------|---|--|
| 5HB08T | HP DesignJet T650 24-in Printer 2025 Edition | |
| Accessories | | |
| B3Q36A | HP DesignJet 24-in Spindle | |
| Original HP printing supplies | | |
| 3ED58A | HP 713 DesignJet Printhead Replacement Kit | |
| 3ED67A | HP 712 29-ml Cyan DesignJet Ink Cartridge | |
| 3ED68A | HP 712 29-ml Magenta DesignJet Ink Cartridge | |
| 3ED69A | HP 712 29-ml Yellow DesignJet Ink Cartridge | |
| 3ED70A | HP 712 38-ml Black DesignJet Ink Cartridge | |
| 3ED71A | HP 712 80-ml Black DesignJet Ink Cartridge | |
| 3ED77A | HP 712 3-pack 29-ml Cyan DesignJet Ink Cartridge | |
| 3ED78A | HP 712 3-pack 29-ml Magenta DesignJet Ink Cartridge | |
| 3ED79A | HP 712 3-pack 29-ml Yellow DesignJet Ink Cartridge | |
| Llee Original HE | Pinks and printhoads and HP large format printing materials to experience | |

consistent high quality and reliable performance that enable less downtime. These critical

components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPinks

Original HP large format printing materials

HP Universal Bond Paper (FSC® certified)⁵ (recyclable)⁶

HP Coated Paper (FSC* certified) 5 (recyclable) 6 HP Heavyweight Coated Paper (FSC* certified) 5 (recyclable) 6

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U42W2E HP 3y Next Business Day support for DesignJet T650-24 U42W3E HP 4y Next Business Day support for DesignJet T650-24 U42W4E HP 5y Next Business Day support for DesignJet T650-24

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years).

For more information, please visit http://www.hp.com/go/cpc

Specification Footnotes

- ¹Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks. Actual performance may vary based on a variety of conditions, including but not limited to network configuration.
- ² Calculation done taking into account two normal printhead cleanings and ink on an A1/D CAD drawing with black and color lines and a pixel coverage of 5.2%.
- ³±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Heavyweight Coated roll feed and Original HP inks.
- ⁴ With HP Premium Instant Dry Photo Gloss media with Original HP inks.
- $\frac{5}{2} BMG \ trademark \ license \ code \ FSC^*-C115319, see \ http://www.fsc.org. \ HP \ trademark \ license \ code \ FSC^*-C017543, see \ http://www.fsc.org. \ HP \ trademark \ license \ code \ FSC^*-C017543, see \ http://www.fsc.org. \$
- $^{\rm 6}$ Can be recycled through commonly available recycling programs.

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