

HP DesignJet T250 24-in Printer 2025 edition



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



*Product image may differ from actual product

INTUITIVE—Easy, effortless printing

- Simplify printing with the new HP Click Print solutions—save time with real-print preview.²
- With an accessory, print multi-size A4/A to A1/D projects without manually switching the media source.³
- Print your jobs and manage your plotter virtually anywhere, anytime with the HP app.⁴

RESPONSIBLY DESIGNED—Reduce energy and plastic use

- Save 65% energy⁵ with the printer on/off auto scheduler and enjoy efficient ink maintenance routines⁶.
- Minimize plastic waste by more than 70% with a new molded fiber packaging and removal of most plastic bags.⁷
- Made with at least 40% recycled plastic⁸ and the first HP large format printer containing recycled metal.⁹
- Certified by UL ECOLOGO[®].¹⁰ Registered in EPEAT Gold and achieves EPEAT Climate+¹¹.

OPTIMIZED—Fits the way you work

- Save space with the world's smallest plotters¹ designed to fit your office.
- Avoid waiting by the printer with printing as fast as 30 seconds per A1/D plot.¹²
- Protect your printer from cyberthreats with HP Wolf Essential Security.
- Get high-quality results—HP Bright Office Inks deliver better line accuracy¹³ and up to 34% more gamut.¹⁴

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>

Messaging Footnotes

¹Based on competitive 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 purchase of HP DesignJet T200/T600 Automatic Sheet Feeder accessory. Not included, sold separately.

⁴Requires HP Smart app download available at <https://www.hp.com/go/mobileprinting>. Certain features are available in English 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.

⁵The 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.

⁶Up 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.

⁷The HP DesignJet T200/T600 2025 Edition plotter series uses polystyrene-free packaging with molded pulp cushions made from recycled fiber-based material. The plastic reduction is expressed as a percentage of the total packaging plastic weight. The reduction varies depending on the printer model, with at least a 53% reduction in the new 36-inch model and at least a 72% reduction in the new 24-inch model, compared to the previous T200/T600 models.

⁸Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled content is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2.

⁹Incorporation of a minimum of 5% of certified recycled metal, expected to be implemented in units manufactured after April 1st, 2025. Recycled metal 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.

¹⁰UL ECOLOGO[®] Certified HP 712 inks meet a range of stringent human health and environmental considerations. For certifications, see <http://www.ul.com/EL> and <http://www.ul.com/gg>

¹¹The 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.

¹²The HP DesignJet T250 24-inch Printer delivers A1/D prints in 30 seconds.

¹³Better 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 TM printer series and Canon iPF TC-20. Test performed under the same conditions in all printers measuring with QEA PIAS II digital microscope tool.

¹⁴Up to 34% more color gamut based on test commissioned by HP and performed by Sogeti in June 2024, of gamut volume comparing prints from the HP DesignJet T200 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.

For more information, please visit <http://www.hp.com/go/designjet250>



Datasheet

Technical specifications

Print

Print speed	30 sec/page on A1, 76 A1 prints per hour ¹
Print resolution	Up to 2400 x 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins (roll)	5 x 5 x 5 x 5 mm
Margins (sheet)	5 x 5 x 5 x 17 mm (manual feed); 5 x 5 x 5 x 5 mm (input tray)
Ink types	Dye-based (C, M, Y); pigment-based (K)
Print Cartridges/Bottle, Number	4 (C, M, Y, K) cartridges
Print cartridge/bottle volume delivered	80 ml (K); 38 ml (K); 29 ml (C, M, Y) per cartridge
Page Yield	20 ml of ink yields 101 A1 pages, taking into account maintenance routines ²
Ink drop	5.5 pl (C, M, Y); 12 pl (K)
Printheads	1 (cyan, magenta, yellow, black)
Printhead nozzles	1376
Line accuracy	±01% ³
Minimum line width	0.02 mm
Max optical density	8 L* min/2.10 D ⁴
Media	
Applications	Line drawings; Presentations; Renderings
Handling	Sheet feed, roll feed, automatic horizontal cutter
Rolls	Media rolls: 1; Roll size: 279 to 610 mm; Maximum roll weight: 4.1 kg; Maximum roll diameter: 100 mm;
Maximum media width	610 mm
Sheet size	210 x 279 to 610 x 1897 mm
Standard sheets	A4, A3, A2, A1
Recommended Grammage	60 to 280 g/m ²
Thickness	Up to 0.3 mm
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	512 MB
Hard disk	None
Native print languages	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 Mac OS printer drivers, Apple AirPrint, Android Default Print Service, Printing support for ChromeOS, Email printing

Remote print enabled

Yes

One-click multi-size printing

Yes

Drivers

Raster driver for macOS and Windows, HP Click Driver for Windows 11

Security features

HP Wolf Essential Security: Secure boot with HW root of trust; Firmware Code Signature Validation; Automatic FW Updates; HTTPS Redirect enabled by default; SNMPv1/2 read-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; CA/JD Compatibility

Dimensions (W x D x H)

Product 1013 x 440 x 285 mm

Shipping 1155 x 575 x 405 mm

Weight

Product 21.5 kg

Shipping 27 kg

Included

What's in the box HP DesignJet T250 24-in Printer, 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 5 to 40°C

Operating humidity 20 to 80% RH

Operating altitude Up to 3000 m

Storage temperature -25 to 55°C

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 <35 W (printing), <5.6 W (ready), <2.1 W (sleep), <0.2 W (off)

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, Kazakhstan (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

Warranty

Two-year limited hardware warranty.

Ordering information

Product

5HB06D HP DesignJet T250 24-in Printer 2025 edition

Accessories

3C753A HP DesignJet T200/T600 24-in Printer Stand

8AJ60A HP DesignJet T200/T600 Automatic Sheet Feeder

9GF94A HP DesignJet T200/T600 24-in Roll Cover

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

Use Original HP inks and printheads, 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

Q1396A HP Universal Bond Paper (FSC® certified)⁵ (recyclable)⁶ 610 mm x 45.7 m

C6019B HP Coated Paper (FSC® certified)⁵ (recyclable)⁶ 610 mm x 45.7 m

C6029C HP Heavyweight Coated Paper (FSC® certified)⁵ (recyclable)⁶ 610 mm x 30.5 m

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

Service and Support

U06C0E HP 3y Next Business Day support for DesignJet T250-24

U06C0E HP 4y Next Business Day support for DesignJet T250-24

U06C1E HP 5y Next Business Day support for DesignJet T250-24

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

¹ Mechanical 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 CAD drawing with black and colour lines and a pixel coverage of 5.2%.

³ ±01% of the specified vector length or ±0.2 mm (whichever greater) at 23°C, 50-60% relative humidity, on A0 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.

⁵ BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>.

⁶ Can be recycled through commonly available recycling programs.

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