

# HP DesignJet T1700 Printer series



Confidently take CAD, GIS colour reproduction to the next level with a 44-in (1118 mm) printer that delivers powerful security features, high productivity on even the most complex files with the Adobe PDF driver<sup>2</sup>, and bright and precise colours.



\*Product image may differ from actual product

## SECURE – Protect your work and your information

- Protect printers/data from unauthorised access with HP Secure Boot, whitelisting, encrypted hard disk, more.
- Protect documents, preserve confidentiality with authentication solutions like PIN printing, card readers.<sup>1</sup>
- Keep your fleet secure at any time with HP Security Manager<sup>3</sup>.

## EFFICIENT – No more PC freezing up

- Adobe PDF drivers<sup>2</sup> free up your computer immediately after sending to print – even for the most complex files.
- No interruptions – dual-roll options reduce roll changes; two rolls double capacity, help switch paper types.<sup>3</sup>
- Handle complex files – powerful processing architecture<sup>4</sup>, 128 GB memory<sup>5</sup>, 500 GB HDD at 116 A1/D pgs/hr.
- Easily print project sets and PDF documents with HP Click printing software.

## ACCURATE – Make better decisions with precise colours

- Get bright colour and bold image quality – even on plain papers – with HP Bright Office Inks.
- Reproduce transparencies, layers, colour palettes, and gradients with embedded Adobe PDF Print Engine.<sup>2</sup>
- Tuned profiles reproduce distinct shades of colour; colour/gray/photo black inks make soft colours, dark tones.
- Accurately display data – high-density printheads provide 2400 nozzles per inch, enabling 0.1% line accuracy.<sup>6</sup>

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>

For more information, please visit <http://www.hp.com/go/designjett1700>



Datasheet

# HP DesignJet T1700 Printer series

## Technical specifications

|                            |   |
|----------------------------|---|
| <b>Print</b>               |   |
| Print speed                | 116 A1/hr, 26 sec/A1 <sup>1</sup>   |
| Print resolution           | Up to 2400 x 1200 optimised dpi   |
| Technology                 | HP Thermal Inkjet   |
| Margins (roll)             | 3 x 3 x 3 x 3 mm  |
| Margins (sheet)            | 3 x 17 x 3 x 3 mm   |
| Ink types                  | Dye-based (C, M, Y, PK, G); pigment-based (MK)  |
| Ink cartridges             | 6 (cyan, magenta, yellow, photo black, matte black, grey)   |
| Cartridge size             | Cyan, magenta, yellow, photo black, matte black, grey (300 ml); Cyan, magenta, yellow, photo black, matte black, grey (130 ml)  |
| Ink drop                   | 6 pl  |
| Printheads                 | 3 universal printheads, 2 colours each  |
| Printhead nozzles          | 2112 each colour  |
| Line accuracy              | ±0.1% <sup>2</sup>  |
| Minimum line width         | 0.02 mm (PDF addressable @ 1200 dpi)  |
| Max optical density        | 2.15 maximum black optical density (6 L <sup>3</sup> min)   |
| <b>Media</b>               |   |
| Applications               | Line drawings; Maps; Orthophotos; Presentations; Renderings   |
| Handling                   | Single-roll: Sheet feed, roll feed, automatic horizontal cutter<br>Dual-roll: Sheet feed, two automatic roll feeds, automatic roll-switching, media bin, automatic horizontal cutter  |
| Roll size                  | 279 to 1118-mm  |
| Maximum roll weight        | 11.9 kg   |
| Maximum roll diameter      | 135 mm  |
| Maximum media width        | 1118 mm   |
| Sheet size                 | 210 x 279 to 1118 x 1676 mm   |
| Standard sheets            | A4, A3, A2, A1, A0  |
| Grammage                   | 60 to 328 g/m <sup>2</sup>  |
| Thickness                  | Up to 0.8 mm  |
| Media types                | Bond and coated paper (bond, coated, heavyweight coated, super heavyweight plus matte), technical paper (natural tracing, translucent bond), film (clear, matte), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), backlit, self-adhesive (polypropylene, vinyl) |
| <b>Embedded controller</b> |   |
| Memory                     | 128 GB (virtual) <sup>3</sup>   |
| Hard disk                  | 500 GB self-encrypting  |
| Native print languages     | PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4<br>Non-PostScript Printer: HP-GL/2, TIFF, JPEG, URF, CALS G4   |
| Print languages (optional) | Non-PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7 ext 3   |
| <b>Connectivity</b>        |   |
| Interfaces                 | Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port  |

## Ordering information

|                                      |   |
|--------------------------------------|---|
| <b>Product</b>                       |   |
|                                      | HP DesignJet T1700 Printer series                 |
| 1VD87A                               | HP DesignJet T1700 44-in PostScript Printer       |
| 1VD87F                               | HP DesignJet T1700 44-in PostScript Printer       |
| 1VD88A                               | HP DesignJet T1700dr 44-in PostScript Printer     |
| 1VD88F                               | HP DesignJet T1700dr 44-in PostScript Printer     |
| W6B55A                               | HP DesignJet T1700 44-in Printer                  |
| W6B55B                               | HP DesignJet T1700 44-in Printer                  |
| W6B56A                               | HP DesignJet T1700dr 44-in Printer                |
| <b>Accessories</b>                   |   |
| 5EK00A                               | HP HD Pro 2 42-in Scanner                         |
| 5EK01A                               | HP SD Pro 2 44-in Scanner                         |
| 7HC76A                               | HP DesignJet PostScript/PDF Upgrade Kit           |
| CN538A                               | HP DesignJet 3-in Core Adapter                    |
| Q6709A                               | HP DesignJet 44-in Spindle                        |
| <b>Original HP printing supplies</b> |   |
| P2V27A                               | HP 731 DesignJet Printhead                        |
| P2V62A                               | HP 730 130-ml Cyan DesignJet Ink Cartridge        |
| P2V63A                               | HP 730 130-ml Magenta DesignJet Ink Cartridge     |
| P2V64A                               | HP 730 130-ml Yellow DesignJet Ink Cartridge      |
| P2V65A                               | HP 730 130-ml Matte Black DesignJet Ink Cartridge |
| P2V66A                               | HP 730 130-ml Gray DesignJet Ink Cartridge        |
| P2V67A                               | HP 730 130-ml Photo Black DesignJet Ink Cartridge |
| P2V68A                               | HP 730 300-ml Cyan DesignJet Ink Cartridge        |
| P2V69A                               | HP 730 300-ml Magenta DesignJet Ink Cartridge     |
| P2V70A                               | HP 730 300-ml Yellow DesignJet Ink Cartridge      |
| P2V71A                               | HP 730 300-ml Matte Black DesignJet Ink Cartridge |
| P2V72A                               | HP 730 300-ml Gray DesignJet Ink Cartridge        |
| P2V73A                               | HP 730 300-ml Photo Black DesignJet Ink Cartridge |

|                               |  |
|-------------------------------|--|
| Printing paths                | Direct printing from USB flash drive, email printing, HP driver for Windows, HP Print Service for Android, Apple AirPrint for macOS and for iOS, HP Print for Chrome OS, HP Click, HP Smart App for iOS and Android  |
| Drivers                       | PostScript Printer: Raster, PostScript and PDF drivers for Windows and macOS<br>Non-PostScript Printer: Raster drivers for Windows and macOS   |
| Security features             | HP Secure Boot, Whitelisting, Role Based Access Control, SNMPv3, HTTPS, Secure-IPP, IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP JetAdvantage Security Manager compatible, Secure Disk erase (DoD 5220.22-M), Secure File erase, self-encrypting HDD, PIN printing |
| <b>Dimensions (W x D x H)</b> |  |
| Product                       | 1802 x 695 x 998 mm  |
| Shipping                      | 1955 x 770 x 710 mm  |
| <b>Weight</b>                 |  |
| Product                       | Single-roll: 88.9 kg, dual-roll: 89.4 kg   |
| Shipping                      | Single-roll: 126 kg, dual-roll: 128 kg   |
| <b>Included</b>               |  |
| What's in the box             | HP DesignJet T1700 Printer, printheads, ink cartridges, printer stand, spindle(s) <sup>4</sup> , setup poster, introductory information, warranty, power cords, label kits   |
| HP Software and solutions     | HP Click, HP Utility for Mac and Windows, HP WebJet Admin, HP Embedded Web Server, HP JetAdvantage Security Manager, HP Partner Link, HP MPS   |
| <b>Environmental ranges</b>   |  |
| Operating temperature         | 5 to 40°C  |
| Operating humidity            | 20 to 80% RH   |
| Storage temperature           | -25 to 55°C  |
| <b>Acoustics</b>              |  |
| Sound pressure                | Printing: 45 dB(A) (operating), 32 dB(A) (idle), <15 dB(A) (sleep)   |
| Sound power                   | Printing: 6.1 B(A) (operating), 5.0 B(A) (idle), <3.1 B(A) (sleep)   |
| <b>Power</b>                  |  |
| Consumption                   | < 100 W (printing); < 24 W (ready); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)   |
| Requirements                  | Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max   |
| <b>Certification</b>          |  |
| Safety                        | USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)  |
| Electromagnetic               | Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC), South Africa (SABS)   |
| Environmental                 | ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Silver   |
| Warranty                      | Two-year limited hardware warranty   |

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

**C6810A** HP Bright White Inkjet Paper (FSC® certified) 914 mm x 91.4 m (36 in x 300 ft)  
**C6569C** HP Heavyweight Coated Paper 1067 mm x 30.5 m (42 in x 100 ft)  
**Q6561A** HP Universal Instant-dry Satin Photo Paper (FSC® certified) 1067 mm x 30.5 m (42 in x 100 ft)  
**Q1406B** HP Universal Coated Paper (FSC® certified) 1067 mm x 45.7 m (42 in x 150 ft)

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

### Service and Support

**U90Q6E** (1-roll)/**U90S9E** (2-roll) HP 3 year Next Business Day plus Defective Media Retention Support  
**U90R5E** (1-roll)/**U90T2E** (2-roll) HP 3 year 4-hour response, 9x5 plus Defective Media Retention Support  
**U90S2PE** (1-roll)/**U90T8PE** (2-roll) HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support  
**U90S6PE** (1-roll)/**U90T1PE** (2-roll) HP 1 year Post Warranty, 4-hour response, 9x5 plus Defective Media Retention Support  
**H4518E** HP Network Installation DesignJet High-end and Midrange Service  
**U1XV4E** HP Preventive Maintenance Service

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>



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## Footnotes

### Messaging Footnotes

<sup>1</sup> Card reader functionality enabled through optional third-party solutions.

<sup>2</sup> Requires purchase of HP DesignJet T1700 PostScript® models or optional HP DesignJet PostScript/PDF Upgrade Kit. The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 4 extends APPE's leading edge for print reproduction with new performance efficiencies and breakthrough rendering features. APPE 4 enables printers to increase workflow efficiency and capitalize on the profit potential of innovations in inkjet print technology. To learn more, visit <https://www.adobe.com/products/pdfprintengine.html>

<sup>3</sup> Dual-roll printing is available on the HP DesignJet T1700dr 44-in Printer and HP DesignJet T1700dr 44-in PostScript® Printers.

<sup>4</sup> Refers exclusively to file processing capabilities for complex files, and does not refer to print speed.

<sup>5</sup> Based on 4 GB DDR3 RAM.

<sup>6</sup>  $\pm 0.1\%$  of the specified vector length or  $\pm 0.2$  mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Film and HP Bright Office Inks.

### Specification Footnotes

<sup>1</sup> Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.

<sup>2</sup>  $\pm 0.1\%$  of the specified vector length or  $\pm 0.2$  mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with Original HP inks.

<sup>3</sup> Based on 4 GB RAM.

<sup>4</sup> Single-roll printers come with one spindle, dual-roll printers come with two spindles.

