

# HP DesignJet T1700 Printer series



Securely, efficiently, and accurately produce quality CAD and GIS applications up to 44 inches



\*Product image may differ from actual product

## SECURE - World-class printer protection with HP Wolf Pro Security

- Safeguard your device from attacks by validating the integrity of your firmware and BIOS with Allowlisting and HP Secure Boot.
- Control who accesses the printer and its confidential documents with secure user authentication.
- 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>4</sup>
- Handle complex files—powerful processing architecture<sup>1</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 colors

- Get bright color and bold image quality—even on plain papers—with HP Bright Office Inks.
- Reproduce transparencies, layers, color palettes, and gradients with embedded Adobe PDF Print Engine.<sup>2</sup>
- Tuned profiles reproduce distinct shades of color; color/gray/photo black inks make soft colors, 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>

## Messaging Footnotes

<sup>1</sup> Refers exclusively to file processing capabilities for complex files, and does not refer to print speed.

<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> HP Security Manager must be purchased separately. To learn more, please visit [hp.com/go/securitymanager](http://hp.com/go/securitymanager)

<sup>4</sup> Dual-roll printing is available on the HP DesignJet T1700dr 44-in Printer and HP DesignJet T1700dr 44-in PostScript® Printers.

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

<sup>6</sup> ±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 Matte Film and HP Bright Office Inks.

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



Datasheet

# Technical specifications

<b>Print</b>	
Print speed	116 A1/hr, 26 sec/A1 <sup>1</sup>
Print resolution	Up to 2400 x 1200 optimized 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)
Print Cartridges/Bottle, Number	6 (cyan, magenta, yellow, photo black, matte black, gray)
Print cartridge/bottle volume delivered	Cyan, magenta, yellow, photo black, matte black, gray (300 ml); Cyan, magenta, yellow, photo black, matte black, gray (130 ml)
Ink drop	6 pl
Printheads	3 universal printheads, 2 colors each
Printhead nozzles	2112 each color
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*min)
<b>Media</b>	
Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Handling	Single-roll: Sheet feed, roll feed, automatic horizontal cutter; Dual-roll: Sheet feed, two automatic roll feeds, automatic roll-switching, media bin, automatic horizontal cutter
Maximum media width	1118 mm
Sheet size	210 x 279 to 1118 x 1676 mm
Standard sheets	A4, A3, A2, A1, A0
Recommended 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; 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
Printing paths	Direct printing from USB flash drive, email printing, HP driver for Windows, HP Print Service for Android, Apple AirPrint for MacOS

## Ordering information

<b>Product</b>	
1VD87A	HP DesignJet T1700 Printer series
1VD88A	HP DesignJet T1700 44-in PostScript Printer
W6B55A	HP DesignJet T1700dr 44-in PostScript Printer
W6B56A	HP DesignJet T1700 44-in Printer
W6B56A	HP DesignJet T1700dr 44-in Printer
<b>Accessories</b>	
7HC76A	HP DesignJet PostScript/PDF Upgrade Kit
CN538A	HP DesignJet 3-in Core Adapter
<b>Original HP printing supplies</b>	
3ED43A	HP 730B 130-ml Photo Black DesignJet Ink Cartridge
3ED44A	HP 730B 130-ml Gray DesignJet Ink Cartridge
3ED45A	HP 730B 130-ml Matte Black DesignJet Ink Cartridge
3ED49A	HP 730B 300-ml Photo Black DesignJet Ink Cartridge
3ED50A	HP 730B 300-ml Gray DesignJet Ink Cartridge
3ED51A	HP 730B 300-ml Matte Black DesignJet Ink Cartridge
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
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

	and for iOS, HP Print for Chrome OS, HP Click, HP Smart App for iOS and Android
<b>Mobile printing features</b>	
	Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android
<b>Drivers</b>	
	PostScript Printer: Raster, PostScript and PDF drivers for Windows and macOS Non-PostScript Printer: Raster drivers for Windows and macOS
<b>Security features</b>	
	HP Wolf Pro Security, HP Secure Boot, Allowlisting, 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
<b>HP Software and solutions</b>	
	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, Kazakhstan (EAC); Singapore (PSB); China (CCC); Argentina (IRAM); India (BIS)
Electromagnetic	Compliant with Class A 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	One-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 914 m (36 in x 300 ft)  
**C6569C** HP Heavyweight Coated Paper 1067 mm x 30.5 m (42 in x 100 ft)  
**Q6581A** 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

**U9QQ6E** (1-roll)/ **U9QS9E** (2-roll) HP 3 year Next Business Day plus Defective Media Retention Support

**U9QQ8E** (1-roll)/ **U9QT1E** (2-roll) HP 5 year Next Business Day plus Defective Media Retention Support

**U9QS2PE** (1-roll)/ **U9TQ8PE** (2-roll) HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support

**U9QS3PE** (1-roll)/ **U9TQ9PE** (2-roll) HP 2 year Post Warranty, Next Business Day plus Defective Media Retention Support

**U7VB9E** HP Installation 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>

## 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> ±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 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.

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