Datasheet

HP DesignJet T1700 Printer series

Securely, efficiently, and accurately produce quality CAD and GIS applications up to 44-in (1118 mm)



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.[1]
- Secure your printers with HP JetAdvantage Security Manager; manage your fleet remotely with HP Web Jetadmin.
- Control and optimise printing costs with accounting solutions – or with your reseller through HP Partner Link.

EFFICIENT – No more PC freezing up

- Adobe PDF drivers[2] 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.[3]
- Handle complex files – powerful processing architecture[4], 128 GB memory[5], 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.[2]
- 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.[6]

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

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

[1] Card reader functionality enabled through optional third-party solutions.
[2] 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
[3] Dual-roll printing is available on the HP DesignJet T1700dr 44-in Printer and HP DesignJet T1700dr 44-in PostScript® Printers.
[4] Refers exclusively to file processing capabilities for complex files, and does not refer to print speed.
[5] Based on 4 GB DDR3 RAM.
[6] ±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.

Technical specifications

Print	
Print speed	116 A1/hr, 26 sec/A1[1]
Print resolution	Up to 2400 x 1200 optimised dpi
Technology	HP Thermal Inkjet
Margins	Roll: 3 x 3 x 3 x 3 mm (0.1 x 0.1 x 0.1 x 0.1 in) Sheet: 3 x 17 x 3 x 3 mm (0.1 x 0.67 x 0.1 x 0.1 in)
Ink types	Dye-based (C, M, Y, PK, G); Pigment-based (MK)
Ink drop	6 pl
Printheads	3 universal printheads, 2 colours each
Printhead nozzles	2112 each colour
Line accuracy	±0.1%[2]
Minimum line width	0.02 mm (PDF addressable at 1200 dpi)
Max optical density	2.15 maximum black optical density (6 L*min)
Media	
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
Roll size	210 x 279 to 1118 x 1676 mm (8.3 x 11 to 44 x 66 in) wide sheets 279 to 1118 mm (11 to 44 in) rolls
Sheet size	210 x 279 to 1118 x 1676 mm
Standard sheets	A4, A3, A2, A1, A0
Grammage	60 to 328 g/m²
Thickness	Up to 0.8 mm
Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Memory	128 GB (virtual)[3]
Hard disk	500 GB Self-Encrypted Disk (SED) hard disk
Connectivity	
Interfaces	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port
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
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 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
Dimensions (W x D x H)	
Printer	1802 x 695 x 998 mm (70.9 x 27.4 x 39.3 in)
Shipping	1955 x 770 x 710 mm (77 x 30.3 x 28 in)
Weight	
Printer	Single-roll: 72 kg Dual-roll: 74 kg
Shipping	Single-roll: 126 kg Dual-roll: 128 kg
What's in the box	HP DesignJet T1700 Printer, printheads, ink cartridges, printer stand, spindle(s)[4], 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
Environmental ranges	
Operating temperature	5 to 40ºC
Operating humidity	20 to 80% RH
Storage temperature	-25 to 55ºC
Acoustics	
Sound pressure	45 dB(A) (operating), 32 dB(A) (idle), <15 dB(A) (sleep)
Sound power	6.1 B(A) (operating), 5.0 B(A) (idle), <3.1 B(A) (sleep)
Power	
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

Certification	
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

Ordering information

Product	
1VD87A	HP DesignJet T1700 44-in PostScript Printer
1VD88A	HP DesignJet T1700dr 44-in PostScript Printer
W6B55A	HP DesignJet T1700 44-in Printer
W6B56A	HP DesignJet T1700dr 44-in Printer

Accessories	
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

Original HP printing supplies	
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

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 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)
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.

Service and Support
U9Q06E (1-roll)/U9QS9E (2-roll) HP 3 year Next Business Day plus Defective Media Retention Support
U9QR5E (1-roll)/U9TQ2E (2-roll) HP 3 year 4-hour response, 9x5 plus Defective Media Retention Support
U9QS2PE (1-roll)/U9TQ8PE (2-roll) HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support
U9QS6PE (1-roll)/U9TR1PE (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

ECO highlights

- ENERGY STAR® certified[1] and EPEAT® Silver registered[2]
- Free, convenient HP ink cartridge recycling[3]
- FSC®-certified papers[4] and a range of recyclable HP media with a take-back program[5]
- Designed with the environment in mind—made from 30% post-consumer recycled plastic

Please recycle large-format printing hardware and printing supplies. Find out how at our website: http://www.hp.com/ecosolutions

[1] ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.
[2] EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.
[3] Program availability varies. Please check http://www.hp.com/recycle for details.
[4] BMG trademark license code FSC®-C115319, see http://www.fsc.org. HP trademark license code FSC®-C017543, see http://www.fsc.org. Not all FSC®-certified products are available in all regions.
[5] Many HP printing materials are recyclable through commonly available recycling programs. For information about HP large format printing materials, please visit http://www.HPLFMedia.com.

[1] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.
[2] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23ºC (73ºF), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with Original HP inks.
[3] Based on 4 GB RAM.
[4] Single-roll printers come with one spindle, dual-roll printers come with two spindles.

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