Datasheet

HP DesignJet T1700 Printer series

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

SECURE—Protect your work and your information

- Protect printers/data from unauthorized access with HP Secure Boot, whitelisting, encrypted hard disk, more.
- Protect documents, preserve confidentiality with authentication solutions like PIN printing, card readers.[3]
- Secure your printers with HP JetAdvantage Security Manager; manage your fleet remotely with HP Web Jetadmin.
- Control and optimize 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.[4]
- Handle complex files—powerful processing architecture[1], 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 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.[2]
- 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.[6]

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

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: http://www.hp.com/go/learnaboutsupplies

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[1] Refers exclusively to file processing capabilities for complex files, and does not refer to print speed.
[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 http://www.adobe.com/products/pdfprintengine.
[3] Card reader functionality enabled through optional third-party solutions.
[4] Dual-roll printing is available on the HP DesignJet T1700dr 44-in Printer and HP DesignJet T1700dr 44-in PostScript® Printers.
[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 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 3 x 3 x 3 x 3 mm Sheet: 3 x 17 x 3 x 3 mm
Ink types	Dye-based (C, M, Y, PK, G); pigment-based (MK)
Ink drop	6 pl
Printheads	3 universal printheads, 2 colors each
Printhead nozzles	2112 each color
Line accuracy	±0.1%[2]
Minimum line width	0.02 mm (PDF addressable @ 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	279 to 1118-mm
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)[4]
Hard disk	500 GB self-encrypting
Connectivity	
Interfaces	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port
Print languages (standard)	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
Shipping	1955 x 770 x 710 mm
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)[5], 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	One-year limited hardware warranty

Ordering information

Product

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

Accessories

C0C66B	HP DesignJet PostScript/PDF Upgrade Kit
CN538A	HP DesignJet 3-in Core Adapter
G6H50B	HP SD Pro 44-in Scanner
G6H51B	HP HD Pro 42-in Scanner
N7P47AA	HP USB 3.0 to Gigabit LAN Adapter
Q6709A	HP DesignJet 44-in Spindle

Original HP printing supplies

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

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

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

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] Measured on HP Matte Film.
[4] Based on 4 GB RAM.
[5] Single-roll printers come with one spindle, dual-roll printers come with two spindles.

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