HP DesignJet T1700 44-in PostScript Printer

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



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[3].

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.
- Handle complex files–powerful processing architecture[1], 128 GB memory[4], 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.[5]

Sustainability in action

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

[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 https://www.adobe.com/products/pdfprintengine.html
[3] HP Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager
[4] Based on 4 GB DDR3 RAM.
[5] ±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

POWERED BY Adobe PDF Print Engine

Datasheet

Technical specifications

Print	
Print speed	116 D/hr, 26 sec/D[1]
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 0.12 x 0.12 x 0.12 x 0.12 in; Sheet: 0.12 x 0.67 x 0.12 x 0.12 in
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)
Ink drop	6 pl
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)
Printheads	3 universal printheads, 2 colors each
Printhead nozzles	2112 each color
Line accuracy	±0.1%[2]
Minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Max optical density	2.15 maximum black optical density (6 L*min)
Media	
Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Handling	Sheet feed, roll feed, automatic horizontal cutter
Maximum media width	44 in
Media rolls	1
Roll size	11 to 44-in
Maximum roll weight	26.3 lb
Maximum roll diameter	5.3 in
Sheet/board size	8.3 x 11 to 44 x 66 in
Standard sheets/boards	A, B, C, D, E
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)
Embedded controller	
Memory	128 GB (virtual)[3]
Hard disk	500 GB self-encrypting
Native print languages	Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4
Connectivity	
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 and for iOS, HP Print for Chrome OS, HP Click, HP Smart App for iOS and Android
Mobile printing features	Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android
Drivers	Raster drivers for Windows and macOS; PostScript and PDF Windows drivers and macOS PostScript driver
Security features	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
Dimensions (W x D x H)	
Printer	70.9 x 27.4 x 39.3 in
Shipping	77 x 30.3 x 28 in
Weight	
Printer	196 lb
Shipping	278 lb
Included	
What's in the box	HP DesignJet T1700 Printer, printheads, ink cartridges, printer stand, spindle, 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	41 to 104ºF
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131ºF
Acoustics	
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)
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 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

Ordering information

Product	
1VD87A	HP DesignJet T1700 44-in PostScript 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 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)
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 HP 3 year Next Business Day plus Defective Media Retention Support
U9QR5E HP 3 year 4-hour response, 9x5 plus Defective Media Retention Support
U9QS2PE HP 1 year Post Warranty, Next Business Day plus Defective Media Retention Support
U9QS6PE 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

Specification Footnotes

[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.

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