Data sheet

HP DesignJet T1700 Printer series

The most secure, empowering HP DesignJet printer for CAD/GIS workgroups

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[1]

- 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[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 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
hp.com/go/designjetT1700

HP DesignJet
25 years reinventing design

[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 adobe.com/products/pdfprintengine.

[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 ± 0.0008 in (whichever greater) at 73° F (23° C), 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	Line drawings[7]	26 sec/page on A1/D, 116 A1/D prints per hour
	Print resolution	Up to 2400 x 1200 optimized dpi
	Margins (top x bottom x left x right)	Roll: 0.1 x 0.1 x 0.1 x 0.1 in (3 x 3 x 3 x 3 mm)
		Sheet: 0.1 x 0.67 x 0.1 x 0.1 in (3 x 17 x 3 x 3 mm)
	Technology	HP Thermal Inkjet
	Ink types	Dye-based (C, G, M, pK, Y); pigment-based (mK)
	Ink drop	6 pl
	Printheads	3 universal printheads, 2 colors each: mK-Y / C-M / G-pK
	Printhead nozzles	2112 each color
	Line accuracy	± 0.1%[8]
	Minimum line width	0.0008 in (0.02 mm) (PDF addressable @ 1200 dpi)
Media	Handling	Sheet feed, roll feed, automatic cutter
	Size	Rolls: 11 to 44 in (279 to 1118 mm)
		Sheets: 8.3 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 mm)
		Standard sheets: A, B, C, D, E (A4, A3, A2, A1, A0)
	Thickness	Up to 31.5 mil (0.8 mm)
Applications		Line drawings, Renderings, Presentations, Maps, Orthophotos
Memory		128 GB virtual[9] 500 GB Self Encrypted hard disk (AES-256 Encrypted)
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	Basic Printer: HP-GL/2, TIFF, JPEG, URF, CALS G4
		PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4
	Printing paths	HP driver for Windows and MAC OS X, direct printing from USB flash drive, email printing, HP Smart app, HP Click printing software, HP Print Service for Android, Apple AirPrint driver
	Drivers (included)	Basic Printer: Raster drivers for Windows and macOS PostScript Printer: Raster drivers for Windows and macOS; PostScript and PDF Windows drivers and macOS PostScript driver
Security features		HP Secure Boot, Whitelisting[10], Secure-IPP, IPsec/Firewall, Certificates management, 802.1X, TLS 1.0/1.1/1.2, HP Web Jetadmin compatible, HP JetAdvantage Security Manager compatible, self-encrypting HDD, PIN printing
Dimensions (w x d x h)	Printer	70.9 x 27.4 x 39.3 in (1802 x 695 x 998 mm)
	Shipping	77 x 30.3 x 28 in (1955 x 770 x 710 mm)
Weight	Printer	Single-roll printer: 159 lb (72 kg)
		Double-roll printer: 163 lb (74 kg)
	Shipping	Single-roll printer: 278 lb (126 kg)
		Double-roll printer: 282 lb (128 kg)
What's in the box		HP DesignJet T1700 Printer, printheads, Introductory ink cartridges, printer stand, spindle, setup poster, introductory information, warranty, power cords, label kits
Compatible 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 104°F (5 to 40°C)
		Storage temperature: -13 to 131°F (-25 to 55°C)
		Operating humidity: 20 to 80% RH
Acoustic		Sound pressure: 45 dB(A) (printing); 32 dB(A) (ready); < 15 dB(A) (sleep)
		Sound power: 6.1 B(A) (printing); 5.0 B(A) (ready); < 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 (offf)
		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

[7] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.

[8] ± 0.1% of the specified vector length or ± 0.0008 in (whichever greater) at 73ºF (23ºC), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with Original HP inks.

[9] Based on 4 GB DDR3 RAM.

[10] Post intro

[11] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit HPLFMedia.com.

[12] Can be recycled through commonly available recycling programs.

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	Q6709A	HP DesignJet 44-in Spindle
	G6H51B	HP HD Pro 42-in Scanner
	G6H50B	HP SD Pro 44-in Scanner
	CN538A	HP DesignJet 3-in Core adapter
	N7P47AA	HP USB 3.0 to Gigabit LAN Adapter
	C0C66B	HP DesignJet PostScript/PDF Upgrade Kit
Original HP printhead	P2V27A	HP 731 DesignJet Printhead
Original HP ink cartridges	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
Original HP large format printing materials	C6810A	HP Bright White Inkjet Paper (FSC® certified)[11] [12] 36 in x 300 ft (914 mm x 91.4 m)
	C6569C	HP Heavyweight Coated Paper[12] 42 in x 100 ft (1067 mm x 30.5 m)
	Q6581A	HP Universal Instant-dry Satin Photo Paper (FSC® certified)[11] [12] 42 in x 100 ft (1067 mm x 30.5 m)
	Q1406B	HP Universal Coated Paper (FSC® certified)[11] [12] 42 in x 150 ft (1067 mm x 45.7 m)

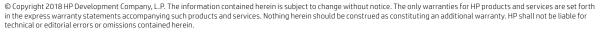| **Service and support**	1-roll	2-rolls	
	H4518E	H4518E	HP Installation Service with Network Setup
	U1XV4E	U1XV4E	HP Preventive Maintenance Service
	U9QQ6E	U9QS9E	HP 3 year NBD* Onsite HW Support with DMR**
	U9QQ8E	U9QT1E	HP 5 year NBD* Onsite HW Support with DMR**
	U9QS2PE	U9TQ8PE	HP 1 year Post Warranty NBD* Onsite HW Support with DMR**
	U9QS3PE	U9TQ9PE	HP 2 year Post Warranty NBD* Onsite HW Support with DMR**
	U9TR3E	U9TR4E	HP NBD* Onsite Hardware Subscription Support (per month)

* Next Business Day.

** This services comes with Defective Media Retention (DMR) option that keeps your sensitive data safe. To comply with security regulations you can keep the defective hard drive or data-retentive memory component while getting a replacement disk or memory.

HP DesignJet Support Services offer solutions for business critical environments —installation, extended support and maintenance, as well as a variety of value-added services. For more information, please visit hp.com/go/designjetsupport.

Use **Original HP inks** and printheads 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 to provide precise line accuracy as well as dark blacks and true neutral grays. For more information, visit hp.com/go/OriginalHPinks.

For the entire **HP Large Format Printing Materials** portfolio, please see HPLFMedia.com.

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

[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 www.epeat.net for registration status by country.

[3] Program availability varies. Please check www.hp.com/recycle for details.

[4] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see 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 HPLFMedia.com.

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