Datasheet

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 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

Technical specifications

Print

Line drawings	26 sec/page on A1; 116 A1 prints per hour;
Print resolution	Up to 2400 x 1200 optimised dpi
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)
Technology	HP Thermal Inkjet
Ink types	Dye-based (C, M, Y, PK, G); Pigment-based (MK)
Ink cartridges	6 (cyan, magenta, yellow, photo black, matte black, grey)
Ink drop	6 pl
Printheads	3 universal printheads, 2 colours each
Line accuracy	±0.1%[1]
Minimum line width	0.02 mm (PDF addressable at 1200 dpi)

Media

Handling	Sheet feed; Roll feed; Automatic cutter
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)
Weight	60 to 328 g/m²
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; A4; A3; A2; A1; A0 standard sheets
Thickness	Up to 0.8 mm (31.5 mil)

Applications

	Line drawings; Maps; Orthophotos; Presentations; Renderings

Memory

	128 GB (virtual)[3]; 500 GB Self-Encrypted Disk (SED) hard disk

Connectivity

Drivers	Raster drivers for Windows and macOS; PostScript and PDF Windows drivers and macOS PostScript driver
Interfaces (standard)	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port
Print languages	**1VD87A:** Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4 **W6B55A:** HP-GL/2, TIFF, JPEG, URF, CALS G4 **1VD88A:** Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4 **W6B56A:** HP-GL/2, TIFF, JPEG, URF, CALS G4

Security

Security features	HP Secure Boot, 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, 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	**1VD87A/W6B55A:** 72 kg (159 lb) **1VD88A/W6B56A:** 74 kg (163 lb)
Shipping	**1VD87A/W6B55A:** 126 kg (278 lb) **1VD88A/W6B56A:** 128 kg (282 lb)

What's in the box

	1VD87A/W6B55A: HP DesignJet T1700 Printer; Printheads; Introductory ink cartridges; Printer stand; Spindle; Setup poster; Introductory information; Warranty; Power cords; Label kits **1VD88A/W6B56A:** HP DesignJet T1700 Printer; Printheads; Introductory ink cartridges; Printer stand; Spindles (x2); Setup poster; Introductory information; Warranty; Power cords; Label kits

Software available

	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
Storage temperature	-25 to 55ºC
Operating humidity	20 to 80% RH

Acoustics

Sound pressure	45 dB(A) (active); 32 dB(A) (standby); < 15 dB(A) (sleep)
Sound power	6.1 B(A) (active); 5.0 B(A) (standby); < 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
W6B55A	HP DesignJet T1700 44-in Printer
1VD88A	HP DesignJet T1700dr 44-in PostScript Printer
W6B56A	HP DesignJet T1700dr 44-in Printer

Accessories

N7P47AA	HP USB 3.0 to Gigabit LAN Adapter
C0C66B	HP DesignJet PostScript/PDF Upgrade Kit
CN538A	HP DesignJet 3-in Core Adapter
Q6709A	HP DesignJet 44-in Spindle

Original HP printheads

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

Q1406A	HP Universal Coated Paper-1067 mm x 45.7 m (42 in x 150 ft)
Q6581A	HP Universal Instant-dry Satin Photo Paper-1067 mm x 30.5 m (42 in x 100 ft)
C6569C	HP Heavyweight Coated Paper-1067 mm x 30.5 m (42 in x 100 ft)
C6810A	HP Bright White Inkjet Paper-914 mm x 91.4 m (36 in x 300 ft)

Service and Support

H4518E	HP Installation Service with Network Setup
U1XV4E	Preventive Maintenance Service
U9QQ6E	HP 3 year Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700
U9QQ8E	HP 5 year Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700
U9QS2PE	HP 1 year Post Warranty Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700
U9QS3PE	HP 2 year Post Warranty Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700
U9QS9E	HP 3 year Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700dr
U9QT1E	HP 5 year Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700dr
U9TQ8PE	HP 1 year Post Warranty Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700dr
U9TQ9PE	HP 2 year Post Warranty Next Business Day Onsite HW Support with Deffective Media Retention for DesignJet T1700dr

HP DesignJet Support Services offer solutions for business critical environments—installation, extended support and maintenance, as well as 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 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.

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

[1]±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
[2]Measured on HP Matte Film
[3]Based on 4 GB DDR3 RAM