HP DesignJet T1700 44-in PostScript Printer (1VD87A)

Overview

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

Confidently take CAD, GIS color reproduction to the next level with a 44-in HP DesignJet printer that delivers powerful security features, high productivity on even the most complex files with the Adobe PDF driver[2], and bright and precise colors.

SECURE—Protect your work and your information

Protect printers/data from unauthorized access with HP Secure Boot, whitelisting, encrypted hard disk, more.

ACCURATE—Make better decisions with precise colors

Get bright color and bold image quality— even on plain papers—with HP Bright Office Inks.

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.

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[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.

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print
Connectivity, standard	Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port
Connectivity, optional	HP USB 3.0 to Gigabit LAN Adapter
Mobile printing capability	Direct print from mobile apps on iOS, Android and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android
Software included	HP Click, HP Utility for Mac and Windows, HP WebJet Admin, HP Embedded Web Server, HP JetAdvantage Security Manager, HP Partner Link, HP MPS
Energy star certified	Yes
Minimum dimensions (W x D x H)	1802 x 695 x 998 mm
Minimum dimensions (W x D x H)	70.9 x 27.4 x 39.3 in
Weight	72 kg
Weight	159 lb
Power consumption	< 100 W (printing); < 24 W (ready); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)
Environmental certification	ENERGY STAR; WEEE; RoHS (EU, China, Korea, India); REACH; EPEAT Silver
What's in the box	HP DesignJet T1700 Printer, printheads, ink cartridges, printer stand, spindle, setup poster, introductory information, warranty, power cords, label kits
Manufacturer Warranty	One-year limited hardware warranty

Additional specifications

Accessories	HP DesignJet 44-in Spindle Q6709A; HP HD Pro 42-in Scanner G6H51B; HP SD Pro 44-in Scanner G6H50B; HP DesignJet 3-in Core Adapter CN538A; HP USB 3.0 to Gigabit LAN Adapter N7P47AA
Acoustic power emissions (active, printing)	6.1 B(A) (operating), 5.0 B(A) (idle), <3.1 B(A) (sleep)
Acoustic pressure emissions	45 dB(A) (operating), 32 dB(A) (idle), <15 dB(A) (sleep)
Additional information about HP	http://www.hp.com
Additional information about HP in the countries	hp.com
Color(s) of printing supplies	Cyan, magenta, yellow, photo black, matte black, gray
Datasheet photo 1	AHID/e952bcb17de5d40037949c6a5a67ae7cb1742b52
Dynamic security	Dynamic security enabled printer
Eco label	ENERGY STAR® certified; EPEAT® Bronze registered
Electromagnetic compatibility	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)
Finished output handling	Sheet feed, roll feed, automatic horizontal cutter
Guaranteed minimum line width footnote	Measured on HP Matte Film
Guaranteed minimum line width footnote	Measured on HP Matte Film
HP ePrint capability	Yes
Ink drop	6 pl
Ink types	Dye-based (C, M, Y, PK, G); pigment-based (MK)
Internal Storage	500 GB self-encrypting
Line accuracy	±0.1%[2]
Line accuracy note	±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
Maximum Memory	128 GB (virtual)
Maximum optical density (black)	2.15 maximum black optical density (6 L*min)
Maximum optical density footnote (black)	With HP Premium Instant Dry Photo Gloss media with Original HP inks
Media sizes standard (metric rolls)	279 to 1118-mm
Media sizes standard (sheets, rolls)	11 to 44-in
Media sizes supported	A, B, C, D, E
Media sizes supported	A4, A3, A2, A1, A0

Media sizes, custom	210 x 279 to 1118 x 1676 mm
Media sizes, custom	8.3 x 11 to 44 x 66 in
Media thickness	Up to 31.5 mil
Media thickness (metric)	Up to 0.8 mm
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)
Media weight, recommended	60 to 328 g/m²
Media width, maximum	44 in
Media width, maximum	1118 mm
Memory	128 GB (virtual)[3] *(Based on 4 GB DDR3 RAM)*
Model size	1118 mm
Model size	44 in
Network ready	Standard
Non-Operating Humidity Range	0 to 90% RH
Non-printable area (cut-sheet)	0.12 x 0.67 x 0.12 x 0.12 in
Non-printable area (cut-sheet)	3 x 17 x 3 x 3 mm
Non-printable area (roll media)	0.12 x 0.12 x 0.12 x 0.12 in
Non-printable area (roll media)	3 x 3 x 3 x 3 mm
Number of print cartridges	6 (cyan, magenta, yellow, photo black, matte black, gray)
Operating humidity range	20 to 80% RH
Operating temperature range	5 to 40ºC
Operating temperature range	41 to 104ºF
Package dimensions (W x D x H)	77 x 30.3 x 28 in
Package dimensions (W x D x H)	1955 x 770 x 710 mm
Package weight	278 lb
Package weight	126 kg
Power	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Print Technology	Ink
Print cartridge volume delivered	Cyan, magenta, yellow, photo black, matte black, gray (300 ml); Cyan, magenta, yellow, photo black, matte black, gray (130 ml)
Print head nozzles	2112 each color
Print heads	3 universal printheads, 2 colors each
Print languages	Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4
Print speed	116 A1/hr, 26 sec/A1[1]
Print speed	116 D/hr, 26 sec/D[1]

Print speed line drawing (economode, A1 plain paper)	116 pages per hour[1]
Print speed line drawing (economode, D plain paper)	116 pages per hour[1]
Print technology	HP Thermal Inkjet
Print time black and white line drawing (draft, US D plain paper)	33 sec/page
Print time black and white line drawing (draft, metric A1 plain paper)	33 sec/page
Print time line drawing (economode, A1 plain paper)	26 sec/page[1]
Print time line drawing (economode, D plain paper)	26 sec/page[1]
Printer drivers included	Raster drivers for Windows and macOS; PostScript and PDF Windows drivers and macOS PostScript driver
Printing path	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
Product logos	Adobe PDF Print Engine 4; Adobe PostScript 3; ENERGY STAR; EPEAT Silver; Gold IPv6 Ready; Mac; PANTONE* Digital Color; Windows 10 Compatible
Recommended media	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)
Roll external diameter	135 mm
Roll external diameter	5.3 in
Roll maximum input	1
Roll maximum weight	26.3 lb
Roll maximum weight	11.9 kg
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)
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
Storage temperature range	-25 to 55ºC
Storage temperature range	-13 to 131ºF
Supported Primary Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Technology logo, print 1	AHID/dd10df59ca167ea78eeef7e5b2e698a795b131d7
Technology logo, print 2	AHID/b504e7ab8574fb23f7819bf5367141da989eb4bc

Technology logo, print 3	AHID/95142d0f2ba4b6d45a004d774f64f5f379ea070e
Technology logo, print 4	AHID/e5bbc17ff8bd420d476680a16286b14b6d530dde
Technology logo, print 5	AHID/93a68b8d94fd3b1ed6cdc04da868ac9d4e2a7fdd
Technology logo, print 6	AHID/2f8f66942d9deaefadcb1b41e21cb94f105050b2
Technology logo, print 7	AHID/50f2579767f95971e279228282cc0452a86d8bf2
Theoretical minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Theoretical minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
UNSPSC code	43212104
UPC number	191628121977
Web address for additional information	http://www.hp.com/go/designjett1700

Services

HP Care Pack Services

★ : Recommended

Graphics Solutions Care Pack Services

HP 2 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet T1700 1 roll	**U9QQ5E ★**
HP 3 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet T1700 1 roll	**U9QQ6E ★**
HP 5 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet T1700 1 roll	**U9QQ8E ★**
HP 1 year Post Warranty Next Business Day Onsite HW Support w/DMR for DesignJet T1700 1 roll	**U9QS2PE ★**
HP Network Installation Service for DesignJet High-end and Midrange	**H4518E ★**
HP 2 year Post Warranty Next Business Day Onsite HW Support w/DMR for DesignJet T1700 1 roll	U9QS3PE
HP 4 year Next Business Day Onsite HW Support w/Defective Media Retention for DesignJet T1700 1 roll	U9QQ7E
HP Excessive Installation Service for HP DesignJet Series	U46TYE
HP Maintenance Kit Replacement Service for DesignJet T1700 1 roll and 2 roll (PMK1 Scan Axis)	U9VZ7E
HP Maintenance Kit Replacement Service for DesignJet T1700 1 roll and 2 roll (PMK2 Left spittoon)	U9VZ9E
HP Maintenance Kit Replacement Service for DesignJet T1700 1 roll and 2 roll (PMK2 Service Station)	U9VZ8E

Ink/Toner/Paper/Printer Supplies

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 730 130-ml Cyan DesignJet Ink Cartridge	P2V62A
HP 730 130-ml Gray DesignJet Ink Cartridge	P2V66A
HP 730 130-ml Magenta DesignJet Ink Cartridge	P2V63A
HP 730 130-ml Matte Black DesignJet Ink Cartridge	P2V65A
HP 730 130-ml Photo Black DesignJet Ink Cartridge	P2V67A
HP 730 130-ml Yellow DesignJet Ink Cartridge	P2V64A
HP 730 300-ml Cyan DesignJet Ink Cartridge	P2V68A
HP 730 300-ml Gray DesignJet Ink Cartridge	P2V72A
HP 730 300-ml Magenta DesignJet Ink Cartridge	P2V69A
HP 730 300-ml Matte Black DesignJet Ink Cartridge	P2V71A
HP 730 300-ml Photo Black DesignJet Ink Cartridge	P2V73A
HP 730 300-ml Yellow DesignJet Ink Cartridge	P2V70A
HP 730B 130-ml Cyan DesignJet Ink Cartridge	3ED42A
HP 730B 130-ml Gray DesignJet Ink Cartridge	3ED44A
HP 730B 130-ml Magenta DesignJet Ink Cartridge	3ED41A
HP 730B 130-ml Matte Black DesignJet Ink Cartridge	3ED45A
HP 730B 130-ml Photo Black DesignJet Ink Cartridge	3ED43A
HP 730B 130-ml Yellow DesignJet Ink Cartridge	3ED40A
HP 730B 300-ml Cyan DesignJet Ink Cartridge	3ED48A
HP 730B 300-ml Gray DesignJet Ink Cartridge	3ED50A
HP 730B 300-ml Magenta DesignJet Ink Cartridge	3ED47A
HP 730B 300-ml Matte Black DesignJet Ink Cartridge	3ED51A
HP 730B 300-ml Photo Black DesignJet Ink Cartridge	3ED49A
HP 730B 300-ml Yellow DesignJet Ink Cartridge	3ED46A
HP 730F 300-ml Cyan DesignJet Ink Cartridge	1XB27A
HP 730F 300-ml Gray DesignJet Ink Cartridge	1XB29A
HP 730F 300-ml Magenta DesignJet Ink Cartridge	1XB26A
HP 730F 300-ml Matte Black DesignJet Ink Cartridge	1XB30A
HP 730F 300-ml Photo Black DesignJet Ink Cartridge	1XB28A
HP 730F 300-ml Yellow DesignJet Ink Cartridge	1XB25A

Accessories

Paper Handling

★ : Recommended

Roll Core Adapters

HP DesignJet 3-in Core Adapter	CN538A

Spindles

HP DesignJet 44-in Spindle	Q6709A

Postscript/PCL5 Emulations

Postscript/PCL5 Emulations

HP DesignJet PostScript/PDF Upgrade Kit	7HC76A

Network Print Servers

External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A

Docking and Port Replicators

Port Replicators

HP USB 3.0 to Gigabit LAN Adapter	N7P47AA	obsolete

Solutions

HP DesignJet Printing Solutions

★ : Recommended

DesignJet Printing Solutions

HP DesignJet Printing Solutions	HPDJSOL

Scanners/Copiers/Faxes

Scanners

Large Format Scanners

HP HD Pro 2 42-in Scanner	5EK00A	
HP HD Pro 2 42-in Scanner	5EK00D	
HP SD Pro 2 44-in Scanner	5EK01A	
HP SD Pro 2 44-in Scanner	5EK01D	
HP SD Pro 44-in Scanner	G6H50B	obsolete
HP SD Pro 44-in Scanner	G6H50D	obsolete

Software

Printing and Imaging Software

★ : Recommended

Printer Management Software

HP SmartStream Preflight Manager	8SW00AAE
HP SmartStream Print Controller USB for HP DesignJet Printers	8SW01A
HP SmartStream Print Controller for HP DesignJet Printers	8SW01AAE
HP SmartStream USB Preflight Manager	8SW00A
HP SmartTracker USB for DesignJet	8SW11A
HP SmartTracker for DesignJet	8SW11AAE

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