HP DesignJet T1700 44-in PostScript Printer (1VD87A)
Active as of 1/30/2018

Overview

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.

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

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.

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.

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.

Replaces

Status	Product Name	Discontinued	SKU
Discontinued	HP DesignJet T1300 44-in PostScript Printer	03/15/2018	CR652A

Specifications

Functions
Print

Model size
44 in

Print speed line drawing (economode, D plain paper)
116 pages per hour[1]

Print speed
116 D/hr, 26 sec/D[1]

Print technology
HP Thermal Inkjet

Printer drivers included
Raster drivers for Windows and macOS; PostScript and PDF Windows drivers and macOS PostScript driver

Print quality color (best)
Up to 2400 x 1200 optimized dpi

Print languages
Adobe PostScript 3, Adobe PDF 1.7 ext 3, HP-GL/2, TIFF, JPEG, URF, CALS G4

Number of print cartridges
6 (cyan, magenta, yellow, photo black, matte black, gray)

Ink types
Dye-based (C, M, Y, PK, G); pigment-based (MK)

Line accuracy
±0.1%[2]

Maximum optical density (black)
2.15 maximum black optical density (6 L*min)

HP ePrint capability
Yes

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

Network ready
Standard

Memory
128 GB (virtual)[3]

Maximum Memory
128 GB (virtual)

Internal Storage
500 GB self-encrypting

Finished output handling
Sheet feed, roll feed, automatic horizontal cutter

Media sizes standard (sheets, rolls)
11 to 44-in (279 to 1118-mm)

Media sizes, custom
8.3 x 11 to 44 x 66 in (210 x 279 to 1118 x 1676 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)

Roll external diameter
5.3 in (135 mm)

Media thickness
Up to 31.5 mil

Power

Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max

Power consumption

< 100 W (printing); < 24 W (ready); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)

Energy star certified

Yes

Operating temperature range

41 to 104ºF (5 to 40ºC)

Minimum dimensions (W x D x H)

70.9 x 27.4 x 39.3 in (1802 x 695 x 998 mm)

Weight

Single-roll: 159 lb (72 kg), dual-roll: 163 lb (74 kg)

UPC number

191628121977

Package dimensions (W x D x H)

77 x 30.3 x 28 in (1955 x 770 x 710 mm)

Package weight

Single-roll: 278 lb (126 kg), dual-roll: 282 lb (128 kg)

What's in the box

HP DesignJet T1700 Printer, printheads, ink cartridges, printer stand, spindle, setup poster, introductory information, warranty, power cords, label kits

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

Manufacturer Warranty

90-day limited hardware warranty

Overview

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   Based on 4 GB DDR3 RAM.

Detailed 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

Connectivity, optional
HP USB 3.0 to Gigabit LAN Adapter

Connectivity, standard
Ethernet, Fast Ethernet, Gigabit Ethernet, 10/100/1000Base-T Ethernet (802.3, 802.3u, 802.3ab); USB Type-A host port

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Datasheet photo 1
Publication photos/T1700 series.jpg

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)

Energy star certified
Yes

Environmental certification
ENERGY STAR; WEEE; REACH; EPEAT Silver

Finished output handling
Sheet feed, roll feed, automatic horizontal cutter

Functions
Print

Guaranteed minimum line width footnote
Measured on HP Matte Film

HP ePrint capability
Yes

Image legal disclaimer
Product image may differ from actual product

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

Manufacturer Warranty
90-day limited hardware warranty

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 (279 to 1118-mm)

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 (210 x 279 to 1118 x 1676 mm)

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
1118 mm

Media width, maximum
44 in

Memory
128 GB (virtual)[3]

Memory Note
Based on 4 GB DDR3 RAM

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 (1802 x 695 x 998 mm)

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

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 (3 x 17 x 3 x 3 mm)

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 (3 x 3 x 3 x 3 mm)

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
41 to 104ºF (5 to 40ºC)

Operating temperature range
5 to 40ºC

Package dimensions (W x D x H)
1955 x 770 x 710 mm

Package dimensions (W x D x H)
77 x 30.3 x 28 in (1955 x 770 x 710 mm)

Package weight
126 kg

Package weight
Single-roll: 278 lb (126 kg), dual-roll: 282 lb (128 kg)

Power
Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max

Power consumption
< 100 W (printing); < 24 W (ready); < 0.3 W (< 6.5 W with embedded Digital Front End) (sleep); 0.1 W (off)

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 quality color (best)
Up to 2400 x 1200 optimized dpi

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 Technology
Ink

Print time black and white line drawing (draft, metric A1 plain paper)
33 sec/page

Print time black and white line drawing (draft, US D 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 (135 mm)

Roll maximum input
1

Roll maximum weight
11.9 kg

Roll maximum weight
26.3 lb (11.9 kg)

Safety
USA and Canada (CSA certified)

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

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

Storage temperature range
-13 to 131ºF (-25 to 55ºC)

Storage temperature range
-25 to 55ºC

Supported Primary Applications
Line drawings; Maps; Orthophotos; Presentations; Renderings

Tech spec footnote
[1] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper

(bond) and Original HP inks.

Tech spec footnote
[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.

Tech spec footnote
[3] Based on 4 GB RAM.

Technology logo, print 1
Publication logos/Adobe_PDF_Print_Engine_logo.jpg

Technology logo, print 2
Publication logos/GSB_AdobePostscript3_high.jpg

Technology logo, print 3
Publication logos/AMS_EnergyStar.jpg

Technology logo, print 4
Publication logos/AMS_Epeat silver.jpg

Technology logo, print 5
Publication logos/GSB_IPv6_high.JPG

Technology logo, print 6
Publication logos/GSB_Pantone_high.JPG

Technology logo, print 7
Publication logos/AMS_ windows_10.jpg

Theoretical minimum line width
0.0008 in (0.02 mm) PDF addressable @ 1200 dpi

Theoretical minimum line width
0.02 mm (PDF addressable @ 1200 dpi)

UPC number
191628121977

Web address for additional information
http://www.hp.com/go/designjett1700

Weight
72 kg

Weight
Single-roll: 159 lb (72 kg), dual-roll: 163 lb (74 kg)

What's in the box
HP DesignJet T1700 Printer, printheads, ink cartridges, printer stand, spindle, setup poster, introductory information, warranty, power cords, label kits