Datasheet

HP DesignJet T1600 Printer series

Designed to deliver – Extraordinary performance to move projects forward



Experience simplicity – At the high-end

- Adopt a smart workstyle with the easiest PDF printing[1] using HP Click software.
- Empower your workforce. Easily print and share jobs from the cloud with your mobile device and HP Smart app.
- Fits your workplace with the most compact footprint and most quiet operation, with up to 87% less noise.[2]

Unleash performance – To turn design into delivery

- Showcase design versatility from precise line drafts to boldly colored 3D renders, with HP Bright Office Inks.
- Provide the highest accuracy and display the finest details with the unique Adobe PDF Print Engine.[3]
- Meet deadlines with the fastest speed up to 180 A1/hr[2], and dual roll option.[4]
- Cut out unproductive tasks with integrated automatic print stacking, up to 100 pages.

Secure – World's most secure large-format printer[5]

- Rely on the best network protection with features like HP Secure Boot and whitelisting.[5]
- Control who accesses the printer and its confidential documents with secure user authentication.
- Keep your fleet secure at any time with HP JetAdvantage Security Manager.

For more information, please visit http://www.hp.com/go/designjett1600

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

[1] Compared to Canon Direct Print & Share and based on "One Click Print." Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, DWF, HP-GL/2 files.

[2] Based on comparable large-format inkjet printers under €12,000 as of December, 2018. IDC figures show that Canon, Epson, and HP combine for 98% share of this printing category worldwide as of Q3, 2018. Fastest print speed based on sustained printing speeds. Most compact footprint calculated using all devices in "Operation mode" with an Open Basket and the arm of the Screen (front panel) spread out to enable user interaction. Most quiet according to internal HP testing of sound pressure level during operating mode (plain paper, line drawing, Normal mode) compared to published specification of competitive printers. Percentage calculations of noise based on lineal units vs. Canon TX-3000 published spec of 51dB(A).

[3] Requires purchase of the HP DesignJet T1600 PostScript® models or optional HP DesignJet PostScript/PDF Upgrade Kit. Highest accuracy and finest details compared to printers without the embedded Adobe technology excluding RIP users, and based on internal HP testing with PDF files containing special fonts, PANTONE® colours, smooth shading, overprint, and transparencies that can only be reproduced using the Adobe PDF Print Engine. The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. To learn more, visit http://www.adobe.com/products/pdfprintengine.

[4] Dual rolls included with HP DesignJet T1600dr printers only.

[5] Advanced embedded security features are based on HP review of 2019 published embedded security features of competitive printers, as of February 2019.

Technical specifications

Print	
Print speed	180 A1/hr, 19.3 sec/A1[1]
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 3 x 3 x 3 x 3 mm Sheet: 3 x 22 x 3 x 3 mm
Ink types	Dye-based (C, M, Y, pK, G); pigment-based (mK)
Ink drop	6 pl (C, M, Y, G, pK); 9 pl (mK)
Printheads	1 universal printhead
Line accuracy	±0.1%[2]
Minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
Media	
Handling	Sheet feed, automatic front-loading roll feed, smart roll switching[3], integrated output stacker[4], media bin, automatic horizontal cutter
Roll size	279 to 914 mm
Sheet size	210 x 279 to 914 x 1219 mm
Standard sheets	A4, A3, A2, A1, A0
Grammage	60 to 328 g/m²
Thickness	Up to 0.5 mm
Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Memory	128 GB (file processing)[5]
Hard disk	500 GB self-encrypting
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T), Wi-Fi (with optional Jetdirect accessory), supporting the following standards: TCP/IP, BootP/DHCP (IPv4 only), DHCPv6, TFTP (IPv4 only), SNMP (v1, v2c, v3), Apple Bonjour Compatible, WS Discovery, Embedded Web Server (HTTP, HTTPS), IPsec, SMTP (email), Raw IP printing (9100), LPD, IPP, WS print, NTLM v2, SMBv3, SSL/TLS, 802.1X authentication (LEAP, PEAP, EAP-TLS), DFS
Native print languages	PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4 Non-PostScript Printer: HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Print languages (optional)	Non-PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7
Printing paths	Direct printing from USB flash drive, print from network shared folder, email printing, HP driver for Windows, HP Print Service for Android, Apple AirPrint driver for MacOS and for iOS, HP Print for Chrome OS, HP Click, HP Smart App for iOS and Android
Drivers	PostScript Printer: Raster, PostScript and PDF drivers for Windows, AirPrint for macOS Non-PostScript Printer: Raster drivers for Windows, AirPrint for macOS
Security features	HP Secure Boot, Whitelisting, TPM, Role Based Access Control, LDAP and Kerberos authentication, 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, encrypted PIN printing, Syslog security logging
Dimensions (W x D x H)	
Printer	1390 x 760 x 1080 mm
Shipping	1477 x 767 x 800 mm
Weight	
Printer	Single-roll: 82 kg, dual-roll: 85 kg
Shipping	Single-roll: 113 kg, dual-roll: 117 kg
What's in the box	HP DesignJet T1600 Printer, printer stand and media bin, spindle(s)[6], printheads, introductory ink cartridges, user guide, power cords
HP Software and solutions	HP Click, HP mobile, ePrint and iOS/Android support plus the HP Smart app for mobile, HP Web Jetadmin, HP JetAdvantage Security Manager, HP SmartTracker (optional)
Environmental ranges	
Operating temperature	5 to 35ºC
Operating humidity	20 to 80% RH
Storage temperature	-25 to 55ºC
Acoustics	
Sound pressure	42 dB(A) (operating), 32 dB(A) (idle), <17 dB(A) (sleep)
Sound power	≤5.9 B(A) (operating), 4.9 B(A) (idle), ≤3.5 B(A) (sleep)
Power	
Consumption	100 W (printing); <36 W (ready); <10 W (sleep); 0.3 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); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE); 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)
Environmental	ENERGY STAR, ErP, WEEE, RoHS (EU, China, Korea, India), REACH, EPEAT
Warranty	Two-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.

Ordering information

Product	
3EK10A	HP DesignJet T1600 36-in Printer
3EK11A	HP DesignJet T1600 36-in PostScript Printer
3EK13A	HP DesignJet T1600dr 36-in PostScript Printer

Accessories	
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
5EK00A	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
5NB95A	HP SmartTracker USB for DesignJet
5NB95AAE	HP SmartTracker for DesignJet
7HC76A	HP DesignJet PostScript/PDF Upgrade Kit
CN538A	HP DesignJet 3-in Core Adapter

Original HP printing supplies	
B3P06A	HP 727 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 hp.com/go/OriginalHPinks.

Original HP large format printing materials

C6810A HP Bright White Inkjet Paper (FSC® certified)[7] (recyclable)[8] 914 mm x 91.4 m
C6980A HP Coated Paper (PEFC™ certified)[7] (recyclable)[8] 914 mm x 91.4 m
L5C80A HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)[7] (recyclable)[8] 914 mm x 91.4 m
D9R28A HP Everyday Matte Polypropylene, 3-in Core 914 mm x 61 m

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

Service and Support	
UB8P0E	(1-roll)/UB8T2E (2-roll) HP 3 year Next Business Day Onsite Hardware Support with Defective Media Retention
UB8P1E	(1-roll)/UB8T3E (2-roll) HP 4 year Next Business Day Onsite Hardware Support with Defective Media Retention
UB8P2E	(1-roll)/UB8T4E (2-roll) HP 5 year Next Business Day Onsite Hardware Support with Defective Media Retention
UB8P3PE	(1-roll)/UB8T5PE (2-roll) HP 1 year Post Warranty Next Business Day Onsite Hardware Support with Defective Media Retention
U1XV4E	HP Preventive Maintenance Service
H4518E	HP Installation Service with Network Setup

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

[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, 50-60% relative humidity, on A0 HP Matte Film in Best or Normal mode with Original HP inks
[3] Applicable for dual-roll printers only.
[4] From A4 to A0, with up to 100 A1-size capacity.
[5] Based on 4 GB RAM.
[6] Single-roll printers come with one spindle, dual-roll printers come with two spindles.
[7] BMG trademark license code FSC®-C115319, see http://www.fsc.org. HP trademark license code FSC®-C017543, see http://www.fsc.org. BMG trademark license code PEFC™/29-31-261, see http://www.pefc.org. HP trademark license code PEFC™/29-31-198, see http://www.pefc.org. Not all FSC®- or PEFC™-certified products are available in all regions.
[8] Can be recycled through commonly available recycling programs.

© Copyright 2023 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

gb-en June 2023