

# HP DesignJet T1600dr 36-in PostScript Printer



DESIGNED TO DELIVER—Extraordinary performance to move projects forward



\*Product image may differ from actual product

## EXPERIENCE SIMPLICITY—At the high-end

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

## 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.<sup>3</sup>
- Meet deadlines with the fastest speed up to 180 D/hr<sup>2</sup>, and dual roll option.
- Cut out unproductive tasks with integrated automatic print stacking, up to 100 pages.

## SECURE - World's most secure large-format printer<sup>4</sup>

- Rely on the best network protection with features like HP Secure Boot and whitelisting.<sup>4</sup>
- Control who accesses the printer and its confidential documents with secure user authentication.
- Keep your fleet secure at any time with HP Security Manager<sup>5</sup>.

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>

## Messaging Footnotes

- <sup>1</sup> 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.
- <sup>2</sup> Based on comparable large-format inkjet printers under \$12,000 (USD) 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).
- <sup>3</sup> 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® colors, 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 <https://www.adobe.com/products/pdfprintengine.html>
- <sup>4</sup> Advanced embedded security features are based on HP review of 2019 published embedded security features of competitive printers, as of February 2019.
- <sup>5</sup> HP Security Manager must be purchased separately. To learn more, please visit [hp.com/go/securitymanager](http://hp.com/go/securitymanager)

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



# Technical specifications

## Print

<b>Print speed</b>	180 A1/hr, 19.3 sec/A1 <sup>1</sup>
<b>Print resolution</b>	Up to 2400 x 1200 optimized dpi
<b>Technology</b>	HP Thermal Inkjet
<b>Margins</b>	Roll: 3 x 3 x 3 x 3 mm Sheet: 3 x 22 x 3 x 3 mm
<b>Ink types</b>	Dye-based (C, M, Y, pK, G); pigment-based (mK)
<b>Print Cartridges, Number</b>	6 (C, M, Y, G, pK, mK)
<b>Ink drop</b>	6 pl (C, M, Y, G, pK); 9 pl (mK)
<b>Print cartridge volume</b>	300 ml (C, M, Y, G, pK, mK); 130 ml (C, M, Y, G, pK, mK)
<b>Printheads</b>	1 universal printhead
<b>Line accuracy</b>	±0.1% <sup>2</sup>
<b>Minimum line width</b>	0.02 mm (PDF addressable @ 1200 dpi)

## Media

<b>Applications</b>	Line drawings; Maps; Orthophotos; Presentations; Renderings
<b>Handling</b>	Sheet feed, two automatic front-loading roll feeds, smart roll switching, integrated output stacker <sup>3</sup> , media bin, automatic horizontal cutter
<b>Maximum media width</b>	914 mm
<b>Media rolls</b>	2
<b>Roll size</b>	279 to 914 mm
<b>Maximum roll weight</b>	11.9 kg
<b>Maximum roll diameter</b>	140 mm
<b>Sheet size</b>	210 x 279 to 914 x 1219 mm
<b>Standard media sizes supported</b>	A4, A3, A2, A1, A0
<b>Media Weight Recommended</b>	60 to 328 g/m <sup>2</sup>
<b>Media thickness (maximum)</b>	Up to 0.8 mm
<b>Media types</b>	Bond and coated paper (bond, coated, heavyweight coated, super heavyweight plus matte, colored), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), backlit, self-adhesive (two-view cling, indoor paper, polypropylene, vinyl)

## Embedded controller

<b>Memory</b>	128 GB (file processing) <sup>4</sup>
<b>Hard disk</b>	500 GB self-encrypting
<b>Native print languages</b>	Adobe PostScript 3, Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4

## Connectivity

<b>Interfaces</b>	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
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## 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 App, HP Smart App for iOS and Android, HP Click Driver for Windows 11

## Mobile printing features

Direct print from mobile apps on iOS, Android, and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android

## Drivers

Raster, PostScript and PDF drivers for Windows, HP Click Driver for Windows 11

## Security features

HP Wolf Pro Security, HP Secure Boot, Allowlisting, 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)

<b>Product</b>	1390 x 760 x 1080 mm
<b>Shipping</b>	1477 x 767 x 800 mm
<b>Weight</b>	
<b>Product</b>	85 kg
<b>Shipping</b>	117 kg

## Included

**What's in the box** HP DesignJet T1600 Printer, printer stand and media bin, spindles (x2), printheads, introductory ink cartridges, user guide, power cords

## HP Software and solutions

HP Click App, HP mobile, ePrint and iOS/Android support plus the HP Smart app for mobile, HP Web Jetadmin, HP JetAdvantage Security Manager, HP SmartTracker (optional), HP Click Driver for Windows 11

## Environmental ranges

<b>Operating temperature</b>	5 to 35°C
<b>Operating humidity</b>	20 to 80% RH
<b>Storage temperature</b>	-25 to 55°C

## Acoustics

<b>Sound pressure</b>	Printing: 42 dB(A) (operating), 32 dB(A) (idle), <17 dB(A) (sleep)
<b>Sound power</b>	Printing: ≤5.9 B(A) (operating), 4.9 B(A) (idle), ≤3.5 B(A) (sleep)

## Power

<b>Consumption</b>	100 W (printing); <36 W (ready); <10 W (sleep); 0.3 W (off)
<b>Requirements</b>	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max

## Certifications & Compliance

<b>Safety</b>	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Kazakhstan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE); India (BIS)
<b>Electromagnetic</b>	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
<b>Environmental</b>	ENERGY STAR, WEEE, RoHS (EU, China, Korea, India), REACH, EPEAT
<b>Warranty</b>	Two-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.
<b>Country of origin</b>	China(B1K, B19, ACJ, ABG, BCD, ); Thailand(B1K)

# Ordering information

<b>Product</b>	
3EK13A	HP DesignJet T1600dr 36-in PostScript Printer
<b>Accessories</b>	
3JN69A	HP Jetdirect 3100w BLE/NFC/Wireless Accessory
5EK00A	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
7HC76A	HP DesignJet PostScript/PDF Upgrade Kit
CN538A	HP DesignJet 3-in Core Adapter
G6H50B	HP SD Pro 44-in Scanner
<b>Original HP printing supplies</b>	
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 <https://hp.com/go/OriginalHPInks>

## Original HP large format printing materials

**C6810A** HP Bright White Inkjet Paper (FSC<sup>®</sup> certified)<sup>5</sup> (recyclable)<sup>6</sup> 914 mm x 914 m (36 in x 300 ft)  
**C6980A** HP Coated Paper (PEFC<sup>™</sup> certified)<sup>5</sup> (recyclable)<sup>6</sup> 914 mm x 914 m (36 in x 300 ft)  
**L5C80A** HP Universal Heavyweight Coated Paper, 3-in Core (FSC<sup>®</sup> certified)<sup>5</sup> (recyclable)<sup>6</sup> 914 mm x 914 m (36 in x 300 ft)  
**D9R28A** HP Everyday Matte Polypropylene, 3-in Core 914 mm x 61 m (36 in x 200 ft)  
 For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

## Service and Support

UB8T2E HP 3 year Next Business Day Onsite Hardware Support with Defective Media Retention  
 UB8T3E HP 4 year Next Business Day Onsite Hardware Support with Defective Media Retention  
 UB8T4E HP 5 year Next Business Day Onsite Hardware Support with Defective Media Retention  
 UB8T5PE 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>

## Specification Footnotes

- <sup>1</sup> Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.
- <sup>2</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C, 50-60% relative humidity, on A0 HP Matte Film in Best or Normal mode with Original HP inks
- <sup>3</sup> From A4 to A0, with up to 100 A1-size capacity.
- <sup>4</sup> Based on 4 GB RAM.
- <sup>5</sup> BMG trademark license code FSC<sup>®</sup>-C115319, see <http://www.fsc.org>. HP trademark license code FSC<sup>®</sup>-C017543, see <http://www.fsc.org>. BMG trademark license code PEFC<sup>™</sup>/29-31-261, see <http://www.pefc.org>. HP trademark license code PEFC<sup>™</sup>/29-31-198, see <http://www.pefc.org>. Not all FSC<sup>®</sup>- or PEFC<sup>™</sup>-certified products are available in all regions.
- <sup>6</sup> Can be recycled through commonly available recycling programs.

