



# 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 easy PDF printing using HP Click software.<sup>1</sup>
- 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.<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.<sup>4</sup>
- Cut out unproductive tasks with integrated automatic print stacking, up to 100 pages.

## SECURE—World's most secure large-format printer<sup>5</sup>

- Rely on the best network protection with features like HP Secure Boot and whitelisting.<sup>5</sup>
- 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>

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsupplies>

<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-G/L/Z 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 <http://www.adobe.com/products/pdfprintengine>.

<sup>4</sup> Dual rolls included with HP DesignJet T1600dr printers only.

<sup>5</sup> Advanced embedded security features are based on HP review of 2019 published embedded security features of competitive printers, as of February 2019.

# Technical specifications

<b>Print</b>	
Print speed	180 D/hr, 19.3 sec/D <sup>1</sup>
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 0.12 x 0.12 x 0.12 x 0.12 in Sheet: 0.12 x 0.87 x 0.12 x 0.12 in
Ink types	Dye-based (C, M, Y, pK, G); pigment-based (mk)
Printheads	1 universal printhead
Line accuracy	±0.1% <sup>2</sup>
Minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
<b>Media</b>	
Handling	Sheet feed, automatic front-loading roll feed, smart roll switching <sup>3</sup> , integrated output stacker, media bin, automatic horizontal cutter
Roll size	11 to 36 in
Sheet size	8.3 x 11 to 36 x 48 in
Standard sheets	A, B, C, D, E
Grammage	60 to 328 g/m <sup>2</sup>
Thickness	Up to 19.7 mil
<b>Applications</b>	
	Line drawings; Maps; Orthophotos; Presentations; Renderings
Memory	128 GB (file processing) <sup>4</sup>
Hard disk	500 GB self-encrypting removable
<b>Connectivity</b>	
Interfaces	Gigabit Ethernet (1000Base-T), Wi-Fi (with optional Jetdirect accessory), supporting the following standards: TCP/IP, BootP/DHCP (IPv4 only), DHCPv6, FTP (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
Print languages (standard)	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
<b>Security features</b>	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
<b>Dimensions (w x d x h)</b>	
Printer	55 x 30 x 43 in
Shipping	58.1 x 30.2 x 31.5 in
<b>Weight</b>	
Printer	Single-roll: 181 lb, dual-roll: 187 lb
Shipping	Single-roll: 249 lb, dual-roll: 258 lb
<b>What's in the box</b>	HP DesignJet T1600 Printer, printer stand and media bin, spindle(s) <sup>5</sup> , printheads, introductory ink cartridges, user guide, power cords
<b>HP Software and solutions</b>	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)
<b>Environmental ranges</b>	
Operating temperature	41 to 95°F
Operating humidity	20 to 80% RH
Storage temperature	-13 to 131°F
<b>Acoustics</b>	
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)
<b>Power</b>	
Consumption	100 W (printing); < 36 W (ready); < 1 W (< 10 W with embedded Digital Front End) (sleep); 0.3 W (off)
Requirements	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
<b>Certification</b>	
Safety	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 (NICE); 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	One-year limited hardware warranty

# Ordering information

<b>Product</b>	
3EK10A	HP DesignJet T1600 36-in Printer
3EK11A	HP DesignJet T1600 36-in PostScript Printer
3EK13A	HP DesignJet T1600dr 36-in PostScript Printer
<b>Accessories</b>	
5NB95A	HP SmartTracker USB for DesignJet
5NB95AAE	HP SmartTracker for DesignJet
CNS3BA	HP DesignJet 3-in Core Adapter
G6H50B	HP SD Pro 44-in Scanner
G6H51B	HP HD Pro 42-in Scanner

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](http://hp.com/go/OriginalHPInks).

## Original HP large format printing materials

C6810A	HP Bright White Inkjet Paper (FSC® certified) <sup>6</sup> (recyclable) <sup>7</sup> 914 mm x 91.4 m (36 in x 300 ft)
C6980A	HP Coated Paper (PEFC™ certified) <sup>6</sup> (recyclable) <sup>7</sup> 914 mm x 91.4 m (36 in x 300 ft)
L5C60A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>6</sup> (recyclable) <sup>7</sup> 914 mm x 91.4 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

UBBP0E	HP 3 year Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll)
UBBT2E	HP 3 year Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll)
UBBT1E	HP 4 year Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll)
UBBT3E	HP 4 year Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll)
UBBP2E	HP 5 year Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll)
UBBT4E	UBBP2E HP 5 year Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll)
UBBP3PE	HP 1 year Post Warranty Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll)
UBBT5PE	HP 1 year Post Warranty Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll)
U1X4VHP	Preventive Maintenance Service
H451BE	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>

# ECO highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified<sup>1</sup> and EPEAT® registered<sup>2</sup>
- Free, convenient HP ink cartridge recycling<sup>3</sup>
- FSC®-certified papers<sup>4</sup>, recyclable HP media; some HP media eligible for take-back program<sup>5</sup>

Please recycle printing hardware and eligible printing supplies and prints. Find out how at our website: <http://www.hp.com/ecosolutions>

<sup>1</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

<sup>2</sup> EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.

<sup>3</sup> Program availability varies. Please check <http://www.hp.com/recycle> for details.

<sup>4</sup> 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. For information about HP large format printing materials, please visit <http://www.HPLFMedia.com>.

<sup>5</sup> Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the HP Large Format Media take-back program. Programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.

<sup>6</sup> Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.

<sup>7</sup> ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with Original HP inks

<sup>8</sup> Applicable for dual-roll printers only.

<sup>9</sup> Based on 4 GB RAM.

<sup>10</sup> Single-roll printers come with one spindle, dual-roll printers come with two spindles.

<sup>11</sup> 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.

<sup>12</sup> Can be recycled through commonly available recycling programs.

