

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.¹
- 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 D/hr², and dual roll option.⁴
- Cut out unproductive tasks with integrated automatic print stacking, up to 100 pages.

SECURE—World-class printer protection with HP Wolf Pro Security

- Safeguard your device from attacks by validating the integrity of your firmware and BIOS with Allowlisting and HP Secure Boot.
- Control who accesses the printer and its confidential documents with secure user authentication.
- Keep your fleet secure at any time with HP Security Manager⁵.

Sustainability in action

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

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 (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 lined 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® 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>
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.
⁶ HP Security Manager must be purchased separately. To learn more, please visit hp.com/go/securitymanager

For more information, please visit <http://www.hp.com/go/designjet1600>



Technical specifications

Print		driver for macOS and for iOS, HP Print for Chrome OS, HP Click, HP Smart App for iOS and Android
Print speed	180 D/hr, 19.3 sec/D ¹	
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)	
Print Cartridges/Bottle, Number	6 (C, M, Y, G, pK, mK)	
Ink drop	6 pl (C, M, Y, G, pK); 9 pl (mK)	
Print cartridge/bottle volume delivered	300 ml (C, M, Y, G, pK, mK); 130 ml (C, M, Y, G, pK, mK)	
Printheads	1 universal printhead	
Line accuracy	±0.1% ²	
Minimum line width	0.0008 in (PDF addressable @ 1200 dpi)	
Media		
Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings	
Handling	Sheet feed, automatic front-loading roll feed, smart roll switching ³ , integrated output stacker ⁴ , media bin, automatic horizontal cutter	
Maximum media width	36 in	
Roll size	11 to 36 in	
Maximum roll weight	26.3 lb	
Maximum roll diameter	5.5 in	
Sheet/board size	8.3 x 11 to 36 x 48 in	
Standard sheets/boards	A, B, C, D, E	
Media types	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		
Memory	128 GB (file processing) ⁵	
Hard disk	500 GB self-encrypting removeable	
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	
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	
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	
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		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 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)		
Printer		55 x 30 x 43 in
Shipping		58.1 x 30.2 x 31.5 in
Weight		
Printer		Single-roll: 181 lb, dual-roll: 187 lb
Shipping		Single-roll: 249 lb, dual-roll: 258 lb
Included		
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		41 to 95°F
Operating humidity		20 to 80% RH
Storage temperature		-13 to 131°F
Acoustics		
Sound pressure		Printing: 42 dB(A) (operating), 32 dB(A) (idle), <17 dB(A) (sleep)
Sound power		Printing: ≤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, Kazakhstan (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		One-year limited hardware warranty

Ordering information

Product

HP DesignJet T1600 Printer series

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

Accessories

5EK00A	HP HD Pro 2 42-in Scanner
5EK00D	HP HD Pro 2 42-in Scanner
5EK01A	HP SD Pro 2 44-in Scanner
5EK01D	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 727/732 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

Specification Footnotes

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 23°C (73°F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode with Original HP Inks

³ Applicable for dual-roll printers only.

⁴ From A4/A to A0/E, with up to 100 A1/D-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.

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