

Technical specifications

Print

Print speed	180 A1/hr, 19.3 sec/A1 ¹
Print resolution	Up to 2400 x 1200 optimised dpi
Print productivity	Advanced concurrent horizontal cutter, integrated 100 sheets multi size stacker, HP Click job submission tool with automatic nesting, HP Application Center for poster creation
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)
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 ⁵ , integrated output stacker, media bin, automatic horizontal cutter
Sheet size	210 x 279 to 914 x 1219 mm
Roll size	279 to 914 mm
Standard sheets	A4, A3, A2, A1, A0
Grammage	60 to 328 g/m ²
Thickness	Up to 0.5 mm (Up to 19.7 mil)

Applications Line drawings; Maps; Orthophotos; Presentations; Renderings

Memory 128 GB (file processing)³

Hard disk 500 GB self-encrypting

Connectivity

Interfaces Gigabit Ethernet (1000Base-T), 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

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) Optional printing path for PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7

Adobe PDF Print Engine natively interprets & renders PDF for the highest level of reliability without data discrepancies.

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)⁷, 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 35°C (41 to 95°F)
Operating humidity	20 to 80% RH
Storage temperature	-25 to 55°C (-13 to 131°F)

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); < 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

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

3EK10A	HP DesignJet T1600 36-in Printer
3EK11A	HP DesignJet T1600 36-in PostScript Printer
3EK12A	HP DesignJet T1600dr 36-in Printer
3EK13A	HP DesignJet T1600dr 36-in PostScript Printer

Accessories

5NB95A	HP SmartTracker USB for DesignJet
5NB95AAE	HP SmartTracker for DesignJet
C0C66C	HP DesignJet PostScript/PDF Upgrade Kit
CN538A	HP DesignJet 3-in Core Adapter
G6H50B	HP SD Pro 44-in Scanner
G6H51B	HP HD Pro 42-in Scanner
L4R66A	HP DesignJet 36-in Spindle
N7P47AA	HP USB 3.0 to Gigabit LAN Adapter

Original HP printing supplies

B3P06A	HP 727 DesignJet Printhead
P2V62A	HP 730 130-ml Cyan Ink Cartridge
P2V63A	HP 730 130-ml Magenta Ink Cartridge
P2V64A	HP 730 130-ml Yellow Ink Cartridge
3ED43A	HP 730B 130ml Photo Black DesignJet Ink Cartridge
3ED44A	HP 730B 130ml Gray DesignJet Ink Cartridge
3ED45A	HP 730B 130ml Matte Black DesignJet Ink Cartridge
P2V68A	HP 730 300-ml Cyan Ink Cartridge
P2V69A	HP 730 300-ml Magenta Ink Cartridge
P2V70A	HP 730 300-ml Yellow Ink Cartridge
3ED49A	HP 730B 300ml Photo Black DesignJet Ink Cartridge
3ED50A	HP 730B 300ml Gray DesignJet Ink Cartridge
3ED51A	HP 730B 300ml Matte 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 optimised printing system, and Original HP inks are designed to maximise 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)⁴ (recyclable)⁵ 914 mm x 91.4 m (36 in x 300 ft)

C6980A HP Coated Paper (PEFC™ certified)⁴ (recyclable)⁵ 914 mm x 91.4 m (36 in x 300 ft)

L5C80A HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)⁴ (recyclable)⁵ 914 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)

Service and Support

UB8P0E (1-roll)/UB8T2E (2-roll) HP 3 year NBD Onsite HW Support with DMR
UB8P1E (1-roll)/UB8T3E (2-roll) HP 4 year NBD Onsite HW Support with DMR
UB8P2E (1-roll)/UB8T4E (2-roll) HP 5 year NBD Onsite HW Support with DMR
UB8P3PE (1-roll)/UB8T5PE (2-roll) HP 1 year Post Warranty NBD Onsite HW Support with DMR
UB8P4PE (1-roll)/UB8T6PE (2-roll) HP 2 year Post Warranty NBD Onsite HW Support with DMR
U1XV4E HP Preventive Maintenance Service
H4518E HP Installation Service with Network Setup
U7V89E HP Installation Service for DesignJet Series Moderate level

HP DesignJet Support Services offer installation, maintenance, and extended support services (e.g. 2,3, 4 and 5 years). For more information, please visit hp.com/go/pc

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

ECO highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified¹ and EPEAT® registered²
- Free, convenient HP ink cartridge recycling³
- FSC®-certified papers⁴, recycle HP media; some HP media eligible for take-back program⁵

Please recycle large-format printing hardware and printing supplies. Find out how at our website hp.com/ecosolutions

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

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

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

⁴ 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>.

⁵ 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.

¹ Mechanical printing time. Printed in Fast mode with Economode on, using plain paper.

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 Based on 4 GB RAM.

⁴ 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.

⁵ Can be recycled through commonly available recycling programs.

⁶ Applicable for dual-roll printers only.

⁷ Single-roll printers come with one spindle, dual-roll printers come with two spindles.

