



# 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<sup>1</sup> 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.<sup>3</sup>

## UNLEASH PERFORMANCE—To turn design into delivery

- Showcase design versatility from precise line drafts to boldly coloured 3D renders, with HP Bright Office Inks.
- Provide the highest accuracy and display the finest details with the unique Adobe PDF Print Engine.<sup>4</sup>
- Meet deadlines with the fastest speed up to 180 D/hr<sup>3</sup>, and dual roll option A1.<sup>5</sup>
- Cut out unproductive tasks with integrated automatic print stacking, up to 100 pages.

## SECURE—World's most secure large-format printer<sup>2</sup>

- Rely on the best network protection with features like HP Secure Boot and whitelisting.<sup>2</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-GL/2 files.

<sup>2</sup> Advanced embedded security features are based on HP review of 2019 published embedded security features of competitive printers, as of February 2019.

<sup>3</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>4</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® 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>.

<sup>5</sup> Dual rolls included with HP DesignJet T1600dr printers only.

# Technical specifications

## Print

|                    |   |
|--------------------|---|
| Print speed        | 180 A1/hr, 19.3 sec/A1 <sup>1</sup>   |
| 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 mm<br>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% <sup>2</sup>  |
| Minimum line width | 0.02 mm (PDF addressable @ 1200 dpi)  |

## Media

|                 |  |
|-----------------|--|
| Handling        | Sheet feed, automatic front-loading roll feed, smart roll switching <sup>6</sup> , 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 <sup>2</sup>   |
| Thickness       | Up to 0.5 mm (Up to 19.7 mil)  |

**Applications** Line drawings; Maps; Orthophotos; Presentations; Renderings

**Memory** 128 GB (file processing)<sup>3</sup>

**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<br>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)<sup>7</sup>, 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, Khazakistan (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 727/732 DesignJet Printhead                    |
| 3ED40A | HP 730B 130ml Yellow DesignJet Ink Cartridge      |
| 3ED41A | HP 730B 130ml Magenta DesignJet Ink Cartridge     |
| 3ED42A | HP 730B 130ml Cyan DesignJet 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 |
| 3ED46A | HP 730B 300ml Yellow DesignJet Ink Cartridge      |
| 3ED47A | HP 730B 300ml Magenta DesignJet Ink Cartridge     |
| 3ED48A | HP 730B 300ml Cyan DesignJet 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](http://hp.com/go/OriginalHPInks).

## Original HP large format printing materials

|               |   |
|---------------|---|
| <b>C6810A</b> | HP Bright White Inkjet Paper (FSC® certified) <sup>4</sup> (recyclable) <sup>5</sup> 914 mm x 91.4 m (36 in x 300 ft)                     |
| <b>C6980A</b> | HP Coated Paper (PEFC™ certified) <sup>4</sup> (recyclable) <sup>5</sup> 914 mm x 91.4 m (36 in x 300 ft)                                 |
| <b>L5C80A</b> | HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) <sup>4</sup> (recyclable) <sup>5</sup> 914 mm x 91.4 m (36 in x 300 ft) |
| <b>D9R28A</b> | HP Everyday Matte Polypropylene, 3-in Core 914 mm x 61 m (36 in x 200 ft)   |

## Service and Support

|                 |  |
|-----------------|--|
| <b>U8BPOE</b>   | (1-roll)/U8B72E (2-roll) HP 3 year NBD Onsite HW Support with DMR                |
| <b>U8BP1E</b>   | (1-roll)/U8B73E (2-roll) HP 4 year NBD Onsite HW Support with DMR                |
| <b>U8BP2E</b>   | (1-roll)/U8B74E (2-roll) HP 5 year NBD Onsite HW Support with DMR                |
| <b>U8BP3PE</b>  | (1-roll)/U8B75PE (2-roll) HP 1 year Post Warranty NBD Onsite HW Support with DMR |
| <b>U1XV4EHP</b> | Preventive Maintenance Service   |
| <b>H4518E</b>   | HP Installation Service with Network Setup                                       |

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

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

## 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>, recycle HP media; some HP media eligible for take-back program<sup>5</sup>

Please recycle large-format printing hardware and printing supplies. Find out how at our website [hp.com/ecosolutions](http://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 plain paper.

<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>3</sup> Based on 4 GB RAM.

<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>. 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>5</sup> Can be recycled through commonly available recycling programs.

<sup>6</sup> Applicable for dual-roll printers only.

<sup>7</sup> Single-roll printers come with one spindle, dual-roll printers come with two spindles.

