



# 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>3</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>4</sup>
- Meet deadlines with the fastest speed up to 180 D/hr<sup>3</sup>, and dual roll option.<sup>5</sup>
- Increase productivity with the 100 page integrated stacker

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

- Best of class 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 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® 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>5</sup> Dual rolls included with HP DesignJet T1600dr printers only.

## Technical specifications

| Print                      |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print speed                | 180 D/hr, 19.3 sec/D (180 A1/hr, 19.3 sec/A1 <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 (3 x 3 x 3 x 3 mm)<br>Sheet: 0.12 x 0.87 x 0.12 x 0.12 in (3 x 22 x 3 x 3 mm)                                                                                                                                                                                                                                                       |
| Ink types                  | Dye-based (C, M, Y, pK, G); pigment-based (mK)                                                                                                                                                                                                                                                                                                                         |
| Ink cartridges             | 6 (C, M, Y, G, pK, mK)                                                                                                                                                                                                                                                                                                                                                 |
| Printheads                 | 1 universal printhead                                                                                                                                                                                                                                                                                                                                                  |
| Line accuracy              | ±0.1% <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                     |
| Minimum line width         | 0.0008 in (0.02 mm) (PDF addressable @ 1200 dpi)                                                                                                                                                                                                                                                                                                                       |
| Media                      |                                                                                                                                                                                                                                                                                                                                                                        |
| Handling                   | Sheet feed, front-loading roll feed, roll switching <sup>3</sup> , integrated 100 page output stacker, media bin, automatic horizontal cutter                                                                                                                                                                                                                          |
| Sheet size                 | 210 x 279 to 914 x 1219 mm                                                                                                                                                                                                                                                                                                                                             |
| Roll size                  | 11 to 36 in (279 to 914 mm)                                                                                                                                                                                                                                                                                                                                            |
| Grammage                   | 60 to 328 g/m <sup>2</sup>                                                                                                                                                                                                                                                                                                                                             |
| Memory                     | 128 GB (file processing) <sup>3</sup> ; 500 GB self-encrypting Hard disk                                                                                                                                                                                                                                                                                               |
| 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) | Non-PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7                                                                                                                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                         |
| Dimensions (w x d x h)     |                                                                                                                                                                                                                                                                                                                                                                        |
| Printer                    | 55 x 30 x 43 in (1390 x 760 x 1080 mm)                                                                                                                                                                                                                                                                                                                                 |
| Shipping                   | 58.3 x 30.3 x 32 in (1480 x 770 x 810 mm)                                                                                                                                                                                                                                                                                                                              |
| Weight                     |                                                                                                                                                                                                                                                                                                                                                                        |
| Printer                    | Single-roll: 179 lb (81 kg), dual-roll: 187 lb (85 kg)                                                                                                                                                                                                                                                                                                                 |
| Shipping                   | Single-roll: 249 lb (113 kg), dual-roll: 256 lb (116 kg)                                                                                                                                                                                                                                                                                                               |
| What's in the box          |                                                                                                                                                                                                                                                                                                                                                                        |
|                            | HP DesignJet T1600 Printer, printer stand and media bin, spindle(s) <sup>4</sup> , printheads, introductory ink cartridges, user guide, power cords                                                                                                                                                                                                                    |
| Software available         |                                                                                                                                                                                                                                                                                                                                                                        |
|                            | 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 (5 to 35°C)                                                                                                                                                                                                                                                                                                                                                 |
| Operating humidity         | 20 to 80% RH                                                                                                                                                                                                                                                                                                                                                           |
| 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)                                                                                                                                                                                                                                                                                                                                         |
| Electromagnetic            | Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES)                                                                                                                                                                                                                                                                                         |
| Environmental              | ENERGY STAR, ErP, WEEE, 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                                                               |
| 3EK13A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HP DesignJet T1600dr 36-in PostScript Printer                                                             |
| Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           |
| 5NB95A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | HP SmartTracker USB dongle for DesignJet                                                                  |
| 5NB95AAE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HP SmartTracker EON for DesignJet                                                                         |
| COC66C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 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                                                                                |
| Original HP printing supplies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |
| 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                                                         |
| It is recommended to <b>use Original HP inks</b> 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 <a href="http://hp.com/go/OriginalHPInks">hp.com/go/OriginalHPInks</a> . |                                                                                                           |
| Service and Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                           |
| <b>U88P0E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HP 3 year Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll)               |
| <b>U88T2E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HP 3 year Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll)               |
| <b>U88P1E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HP 4 year Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll)               |
| <b>U88T3E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HP 4 year Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll)               |
| <b>U88P2E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HP 5 year Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll)               |
| <b>U88T4E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | U88P2E HP 5 year Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll)        |
| <b>U88P3PE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HP 1 year Post Warranty Next Business Day Onsite Hardware Support with Defective Media Retention (1-roll) |
| <b>U88T5PE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HP 1 year Post Warranty Next Business Day Onsite Hardware Support with Defective Media Retention (2-roll) |
| <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 <a href="http://hp.com/go/cpc">hp.com/go/cpc</a> .                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |
| For the entire <b>HP Large Format Printing Materials</b> Portfolio, please see <a href="http://HPLFMedia.com">HPLFMedia.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           |
| ECO highlights                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                           |
| <ul style="list-style-type: none"> <li>Save paper with automatic print settings and image nesting</li> <li>ENERGY STAR® certified<sup>1</sup> and EPEAT® registered<sup>2</sup></li> <li>Free, convenient HP ink cartridge recycling<sup>3</sup></li> <li>FSC®-certified papers<sup>4</sup>, recyclable HP media; some HP media eligible for take-back program<sup>5</sup></li> </ul>                                                                                                                                                                                          |                                                                                                           |
| Please recycle large-format printing hardware and printing supplies. Find out how at our website <a href="http://hp.com/ecosolutions">hp.com/ecosolutions</a>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |

<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>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 (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.

