



HP DesignJet T1600dr 36-in PostScript Printer (3EK13A)



Overview

DESIGNED TO DELIVER—Extraordinary performance to move projects forward

Keep the project momentum. With radically simple solutions and the easiest PDF printing[1], it's easy for everyone to get great results every time. Meet deadlines with the fastest print speed in the most compact, quiet printer.[3]

EXPERIENCE SIMPLICITY—At the high-end

Adopt a smart workstyle with the easiest PDF printing[1] using HP Click software.

SECURE—World's most secure large-format printer[2]

Rely on the best network protection with features like HP Secure Boot and whitelisting.[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.

[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] Advanced embedded security features are based on HP review of 2019 published embedded security features of competitive printers, as of February 2019.

[3] 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).

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print
Connectivity, standard	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
Mobile printing capability	Direct print from mobile apps on iOS, Android, and Chrome OS; email printing with HP ePrint and HP Smart app for iOS and Android
Software included	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)
ENERGY STAR® certified	Yes
Minimum dimensions (W x D x H)	1390 x 760 x 1080 mm
Minimum dimensions (W x D x H)	55 x 30 x 43 in
Weight	85 kg
Weight	187 lb
Power consumption	100 W (printing); < 36 W (ready); < 1 W (< 10 W with embedded Digital Front End) (sleep); 0.3 W (off)
Environmental certification	ENERGY STAR, ErP, WEEE, RoHS (EU, China, Korea, India), REACH, EPEAT
What's in the box	HP DesignJet T1600 Printer, printer stand and media bin, spindles (x2), printheads, introductory ink cartridges, user guide, power cords
Services (Care Pack)	UB8T2E HP 3 year NBD Onsite HW Support with DMR; UB8T3E HP 4 year NBD Onsite HW Support with DMR; UB8T4E HP 5 year NBD Onsite HW Support with DMR; UB8T5PE HP 1 year Post Warranty NBD Onsite HW Support with DMR; U1XV4EHP Preventive Maintenance Service; H4518E HP Installation Service with Network Setup
Warranty	One-year limited hardware warranty

Additional specifications

Accessories	5NB95A HP SmartTracker USB for DesignJet, 5NB95AAE HP SmartTracker for DesignJet, 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
Acoustic power emissions (active, printing)	≤ 5.9 B(A)
Acoustic power emissions (sleep)	≤ 3.5 B(A)
Acoustic power emissions (standby)	≤ 4.9 B(A)
Acoustic pressure emissions	42 dB(A)
Acoustic pressure emissions (sleep)	< 17 dB(A)
Acoustic pressure emissions (standby)	32 dB(A)
Color(s) of printing supplies	Cyan, magenta, yellow, photo black, matte black, gray
Electromagnetic compatibility	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)
Finished output handling	Sheet feed, two automatic front-loading roll feeds, smart roll switching, integrated output stacker, media bin, automatic horizontal cutter
HP ePrint capability	Yes
Ink types	Dye-based (C, M, Y, pK, G); pigment-based (mK)
Internal Storage	500 GB self-encrypting
Line accuracy	±0.1%[2]
Media sizes standard (metric rolls)	279 to 914 mm
Media sizes standard (sheets, rolls)	11 to 36 in
Media sizes supported	A4, A3, A2, A1, A0
Media sizes supported	A, B, C, D, E
Media sizes, custom	210 x 279 to 914 x 1219 mm
Media sizes, custom	8.3 x 11 to 36 x 48 in
Media thickness	Up to 19.7 mil
Media thickness	Up to 0.5 mm
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)
Media weight, recommended	60 to 328 g/m ²

Media width, maximum	36 in
Media width, maximum	914 mm
Memory	128 GB (file processing)[3]
Model size	914 mm
Model size	36 in
Network ready	Standard
Non-Operating Humidity Range	0 to 90% RH
Non-printable area (cut-sheet)	3 x 22 x 3 x 3 mm
Non-printable area (cut-sheet)	0.12 x 0.87 x 0.12 x 0.12 in
Non-printable area (roll media)	3 x 3 x 3 x 3 mm
Non-printable area (roll media)	0.12 x 0.12 x 0.12 x 0.12 in
Number of print cartridges	6 (C, M, Y, G, pK, mK)
Operating humidity range	20 to 80% RH
Operating temperature range	41 to 95°F
Operating temperature range	5 to 35°C
Package dimensions (W x D x H)	1477 x 767 x 800 mm
Package dimensions (W x D x H)	58.1 x 30.2 x 31.5 in
Package weight	117 kg
Package weight	258 lb
Power	Input voltage (auto ranging) 100-240 V (±10%), 50/60 Hz (±3 Hz), 2 A max
Print Technology	Ink
Print cartridge volume delivered	300 ml (C, M, Y, G, pK, mK); 130 ml (C, M, Y, G, pK, mK)
Print heads	1 universal printhead
Print languages	Adobe PostScript 3, Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
Print speed	180 D/hr, 19.3 sec/D[1]
Print speed	180 A1/hr, 19.3 sec/A1[1]
Print technology	HP Thermal Inkjet
Printer drivers included	Raster, PostScript and PDF drivers for Windows
Printing path	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
Product logos	AirPrint; ENERGY STAR; EPEAT; Gold IPv6 Ready; PANTONE* Digital Color; Windows 10 Compatible

Recommended media	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)
Roll external diameter	140 mm
Roll external diameter	5.5 in
Roll maximum input	2
Roll maximum weight	26.3 lb
Roll maximum weight	11.9 kg
Safety	USA and Canada (CSA certified); EU (LVD and EN 60950-1 compliant); Russia, Belarus, Khazakstan (EAC); Ukraine (UA); Singapore (PSB); China (CCC); Argentina (IRAM); Mexico (NYCE); India (BIS)
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
Storage temperature range	-25 to 55°C
Storage temperature range	-13 to 131°F
Supported Primary Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Theoretical minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Theoretical minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
Web address for additional information	http://www.hp.com/go/designjett1600

Scanners

Large Format Scanners

HP SD Pro 44-in Scanner	G6H50B
HP HD Pro 42-in Scanner	G6H51B

Software

Printing and Imaging Software

Printer Management Software

HP SmartTracker for DesignJet

5NB95AAE

HP SmartTracker USB for DesignJet

5NB95A

Accessories

Docking and Port Replicators

Port Replicators

HP USB 3.0 to Gigabit LAN Adapter

N7P47AA

Paper Handling

Spindles

HP DesignJet 36-in Spindle

L4R66A

Roll Core Adapters

HP DesignJet 3-in Core Adapter

CN538A

Ink Supplies

HP Graphic Arts Inks/Printheads

HP 727 DesignJet Printhead	B3P06A
HP 730 300-ml Cyan DesignJet Ink Cartridge	P2V68A
HP 730 300-ml Photo Black DesignJet Ink Cartridge	P2V73A
HP 730 300-ml Gray DesignJet Ink Cartridge	P2V72A
HP 730 130-ml Photo Black DesignJet Ink Cartridge	P2V67A
HP 730 130-ml Cyan DesignJet Ink Cartridge	P2V62A
HP 730 300-ml Matte Black DesignJet Ink Cartridge	P2V71A
HP 730 130-ml Magenta DesignJet Ink Cartridge	P2V63A
HP 730 130-ml Matte Black DesignJet Ink Cartridge	P2V65A
HP 730 300-ml Yellow DesignJet Ink Cartridge	P2V70A
HP 730 130-ml Yellow DesignJet Ink Cartridge	P2V64A
HP 730 130-ml Gray DesignJet Ink Cartridge	P2V66A
HP 730 300-ml Magenta DesignJet Ink Cartridge	P2V69A

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