



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.[2]

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[4]

Rely on the best network protection with features like HP Secure Boot and whitelisting.[4]

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] 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).

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

Specifications

Print quality color (best)	Up to 2400 x 1200 optimized dpi
Functions	Print
Connectivity, standard	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
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); <10 W (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
Manufacturer 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) (operating), 4.9 B(A) (idle), ≤3.5 B(A) (sleep)
Acoustic pressure emissions	42 dB(A) (operating), 32 dB(A) (idle), <17 dB(A) (sleep)
Color(s) of printing supplies	Cyan, magenta, yellow, photo black, matte black, gray
Datasheet photo 1	AHID/e00c2028ea503325747eef3dbc33b92d03fbf10a
Dynamic security	Dynamic security enabled printer
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[3], media bin, automatic horizontal cutter
HP ePrint capability	Yes
Ink drop	6 pl (C, M, Y, G, pK); 9 pl (mK)
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	A, B, C, D, E
Media sizes supported	A4, A3, A2, A1, A0
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 (metric)	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/m²
Media width, maximum	36 in
Media width, maximum	914 mm
Memory	128 GB (file processing)[4]

Model size	36 in
Model size	914 mm
Network ready	Standard
Non-Operating Humidity Range	0 to 90% RH
Non-printable area (cut-sheet)	0.12 x 0.87 x 0.12 x 0.12 in
Non-printable area (cut-sheet)	3 x 22 x 3 x 3 mm
Non-printable area (roll media)	0.12 x 0.12 x 0.12 x 0.12 in
Non-printable area (roll media)	3 x 3 x 3 x 3 mm
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)	58.1 x 30.2 x 31.5 in
Package dimensions (W x D x H)	1477 x 767 x 800 mm
Package weight	258 lb
Package weight	117 kg
Playbook TS icon dimensions AiO	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192862.png
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 green; IPv6 Ready; PANTONE Digital Color; Windows 10 Compatible; Adobe PostScript 3
Recommended media	C6810A HP Bright White Inkjet Paper (FSC® certified)[5] (recyclable)[6] 914 mm x 91.4 m (36 in x 300 ft); C6980A HP Coated Paper (PEFC™ certified)[5] (recyclable)[6] 914 mm x 91.4 m (36 in x 300 ft); L5C80A HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)[5] (recyclable)[6] 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	-13 to 131°F
Storage temperature range	-25 to 55°C
Supported Primary Applications	Line drawings; Maps; Orthophotos; Presentations; Renderings
Technology logo 1	AHID/cce10ebbd356d96074154a12dc62032a64b058f3
Technology logo 2	AHID/cd33e848211911e4369b10008531951b0aa3cde7
Technology logo 3	AHID/c51bf05ff1023abad6fda02c5a970763b91946f4
Technology logo 4	AHID/6615658f92b8dd21f3c5b78f3bea628bd257123b
Technology logo 5	AHID/f9224d96cd827cf0ee4e062d349e8f701d1eb6d9
Technology logo 6	AHID/c885e5162be6c4eb2b4aa2d6270b22837683a15b
Technology logo 7	AHID/37ef85532914cb31e963407db6c25f3d4602df24
Theoretical minimum line width	0.0008 in (PDF addressable @ 1200 dpi)
Theoretical minimum line width	0.02 mm (PDF addressable @ 1200 dpi)
UNSPSC code	43212107
UPC number	(ABG) 193808345982; (ACJ) 193808346170; (B19) 193808345951; (B1K) 193808345968; (BCD) 193808345975
Web address for additional information	http://www.hp.com/go/designjett1600

Ink Supplies

★ : Recommended

HP Graphic Arts Inks/Printheads

HP 727/732 DesignJet Printhead	B3P06A
HP 730 130-ml Cyan DesignJet Ink Cartridge	P2V62A
HP 730 130-ml Gray DesignJet Ink Cartridge	P2V66A
HP 730 130-ml Magenta DesignJet Ink Cartridge	P2V63A
HP 730 130-ml Matte Black DesignJet Ink Cartridge	P2V65A
HP 730 130-ml Photo Black DesignJet Ink Cartridge	P2V67A
HP 730 130-ml Yellow DesignJet Ink Cartridge	P2V64A
HP 730 300-ml Cyan DesignJet Ink Cartridge	P2V68A
HP 730 300-ml Gray DesignJet Ink Cartridge	P2V72A
HP 730 300-ml Magenta DesignJet Ink Cartridge	P2V69A
HP 730 300-ml Matte Black DesignJet Ink Cartridge	P2V71A
HP 730 300-ml Photo Black DesignJet Ink Cartridge	P2V73A
HP 730 300-ml Yellow DesignJet Ink Cartridge	P2V70A
HP 730B 130-ml Gray DesignJet Ink Cartridge	3ED44A
HP 730B 130-ml Matte Black DesignJet Ink Cartridge	3ED45A
HP 730B 130-ml Photo Black DesignJet Ink Cartridge	3ED43A
HP 730B 300-ml Gray DesignJet Ink Cartridge	3ED50A
HP 730B 300-ml Matte Black DesignJet Ink Cartridge	3ED51A
HP 730B 300-ml Photo Black DesignJet Ink Cartridge	3ED49A

Accessories

Paper Handling

★ : Recommended

Roll Core Adapters

HP DesignJet 3-in Core Adapter	CN538A
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Spindles

HP DesignJet 36-in Spindle	L4R66A
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Postscript/PCL5 Emulations

Postscript/PCL5 Emulations

HP DesignJet PostScript/PDF Upgrade Kit	7HC76A
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Network Print Servers

External Print Servers

HP Jetdirect 3100w BLE/NFC/Wireless Accessory	3JN69A
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Scanners

★ : Recommended

Large Format Scanners

HP HD Pro 2 42-in Scanner	5EK00A
HP HD Pro 2 42-in Scanner	5EK00D
HP SD Pro 2 44-in Scanner	5EK01A
HP SD Pro 2 44-in Scanner	5EK01D
HP SD Pro 44-in Scanner	G6H50B
HP SD Pro 44-in Scanner	G6H50D

Printing and Imaging Software

★ : Recommended

Printer Management Software

HP SmartStream Preflight Manager	8SW00AAE
HP SmartStream Print Controller USB for HP DesignJet Printers	8SW01A
HP SmartStream Print Controller for HP DesignJet Printers	8SW01AAE
HP SmartStream USB Preflight Manager	8SW00A
HP SmartTracker USB for DesignJet	5NB95A
HP SmartTracker USB for DesignJet	8SW11A
HP SmartTracker for DesignJet	5NB95AAE
HP SmartTracker for DesignJet	8SW11AAE

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