HP Designjet T1120 Printer series

Professional CAD/GIS printing for demanding professionals

Impress clients with professional-quality prints

- Produce highly accurate drawings with a printer and HP Vivera inks that deliver outstanding details—with 0.1% line accuracy.[1]
- Powerful presentations—HP Vivera inks produce a range of colors, from vivid color to soft tones and with true neutral grays.
- Media versatility—including over 35 Original HP media—provides additional flexibility, whether you're printing CAD drawings, renders, or presentations.
- Create stunning large-format posters that convey your message loud and clear. For a 3 month trial period you can use the optional Serif PosterDesigner Pro for HP[2] with this printer.

Meet your deadlines, even with printing peaks

- Easily meet your deadlines—including occasional printing peaks—with a printer that's up to 3 times faster than the HP Designjet 800 Printer[3].
- Easily control printing tasks—change print job priorities, reprint copies efficiently with the HP Embedded Web Server.
- Get back to work quickly knowing detailed prints are not a problem thanks to in-printer processing architecture and an 80 GB HDD.
- Handle prints right off the printer—fast-drying HP Vivera inks produce smudge-resistant prints.
- Reprint batch HP-GL/2, PPT, and PDF files easily—with the simple click of a button—thanks to the free HP Instant Printing Utility. Reprint full projects easily by simply selecting the batch you want. The printer will manage the batch files to optimize how the print appears on the paper. Utilize print preview to ensure you get correct results the first time.

Avoid downtime with dependability, compatibility

- You won't overload your network with this Designjet's in-printer processing architecture.
- Upgrade with peace of mind knowing you will be able to reproduce the color of your previous Designjet thanks to color emulation capabilities[4].
- Easily connect to operating systems and applications thanks to HP-GL/2.
- Print it right the first time—HP Professional Color technologies ensure colors on the printed page match the colors on your screen.
- Easily maintain and manage this printer and its supplies with HP Printer Utility, which automatically tells you when intervention is needed[5].

| for CAD, GIS, and workgroups | Print in 35s/A1 | 6 Colors | 80 GB hard disk | Optional PostScript | Embedded Web Server | HP-GL/2 in-printer processing | 24/44 inches |

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Technical specifications

Print speed[6]		
Line drawings[7]	Fast: 35 sec/page on A1/D, 72 A1/D prints per hour (Economode on)	
	56 A1/D prints per hour (Economode off)	
Color images	Fast: 41 m²/hr (445 ft²/hr)[8]	
	Best: 2.8 m²/hr (30 ft²/hr)[9]	

Printing		
Print resolution	Up to 2400 x 1200 optimized dpi	
Margins	**Roll:** 5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in) (borderless on photo papers)	
	Sheet: 5 x 16.75 x 5 x 5 mm (0.2 x 0.67 x 0.2 x 0.2 in)	
Technology	HP Thermal Inkjet	
Ink cartridge colors	Cyan, gray, magenta, matte black, photo black, yellow	
Ink types	Dye-based (cyan, magenta, yellow, gray, photo black); pigment-based (matte black)	
Ink drop	6 pl (cyan, magenta, photo black, gray), 9 pl (yellow, matte black)	
Ink cartridge size	69 ml (photo black, cyan, magenta, yellow, gray)	
	130 ml (matte black, photo black, cyan, magenta, yellow, gray)	
Printheads	3	
Nozzles	2112 per printhead (2 colors per printhead, 1056 nozzles per color)	
Line accuracy	+/- 0.1%[l]	
Line width	Minimum line width (HP-GL/2 addressable): 0.02 mm (0.0007 in)	
	Guaranteed minimum line thickness (ISO/IEC 13660:2001(E))*: 0.06 mm (0.0023 in)	
Maximum print length	91 m (300 ft) (OS and application dependent)	

Memory	24-in models	44-in models
	320 MB standard memory, 80 GB hard disk	384 MB standard memory, 80 GB hard disk

Media		
Handling	Sheet feed, roll feed, automatic cutter	
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)	
Weight	60 to 328 g/m²	
Size	**24-in models:** 216 x 279 to 610 x 1676 mm (8.5 x 11 to 24 x 66 in) sheets; 279 to 610 mm (11 to 24 in) rolls	
	44-in models: 216 x 279 to 1118 x 1676 mm (8.5 x 11 to 44 x 66 in) sheets; 279 to 1118 mm (11 to 44 in) rolls	
Thickness	Up to 0.8 mm (31.5 mil)	
Maximum roll length	91 m (300 ft)	

Connectivity		
Interfaces (standard)	1 Gigabit Ethernet (1000Base-T) port, 1 Hi-Speed USB 2.0 certified port, 1 EIO Jetdirect accessory slot	
Interfaces (optional)	HP Jetdirect print servers	
Print languages (standard)	**HP Designjet T1120 Printer:** HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI	
	HP Designjet T1120ps Printer: Adobe® PostScript® 3™, Adobe PDF 1.6, TIFF, JPEG, HP-GL/2, HP-RTL, CALS G4, HP PCL 3 GUI	
Drivers (included)	HP-GL/2, HP-RTL, PostScript[10] drivers for Windows (optimized for AutoCAD 2000 and higher); HP PCL 3 GUI, PostScript[10] drivers for Mac OS X; support for Citrix XenApp and Citrix XenServer environments	

Recommended system requirements		
Macintosh	Mac OS X v 10.4 or higher: PowerPC G4, G5, or Intel® Core™ processor; 1 GB RAM; 2 GB available hard disk space	
Windows	Windows XP® Home, Windows XP Professional: Intel Pentium® 4 (1 GHz), 512 MB RAM, 2 GB available hard disk space	

Dimensions (w x d x h)	24-in models	44-in models
Printer with stand[1]	1262 x 690 x 1047 mm (49.7 x 27.2 x 41.2)	1770 x 690 x 1047 mm (69.7 x 27.2 x 41.2 in)
Shipping	1440 x 766 x 763 mm (56.69 x 30.16 x 30.4 in) (NA, LAR)	1930 x 766 x 791 mm (75.98 x 30.16 x 31.15 in)
	1440 x 766 x 623 mm (56.69 x 30.16 x 24.53 in) (EMEA, AP)	

Weight	24-in models	44-in models
Printer with stand[1]	47 kg (103.6 lb)	86 kg (189 lb)
Shipping	102 kg (224 lb) (NA, LAR), 89 kg (196 lb) (EMEA, AP)	123 kg (271 lb)

What's in the box	
Printer, printheads (3 x 2 colors each), introductory ink cartridges, printer stand[1], quick reference guide, setup poster, Serif PosterDesigner Pro poster, start-up software, power cord	

Environmental ranges

Operating temperature	5 to 40° C (41 to 104° F)
Recommended operating temperature	15 to 35° C (59 to 95° F) (depending on paper type)
Storage temperature	-25 to 55° C (-13 to 131° F)
Operating humidity	20 to 80% RH

Acoustic

Sound pressure, active	57 dB(A)
Sound pressure, standby	29 dB(A)
Sound power, active	6.9 B(A)
Sound power, standby	4.4 B(A)

Power consumption

Maximum	200 watts
Powersave	27 watts
Off	0.1 watts
Power requirements	Input voltage (auto ranging): 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max

Certification

Safety	USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE)
Electromagnetic	Compliance for Class B products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI); Certified as Class A product: Korea (KCC), Taiwan (BSMI)
Environmental	EU & China RoHS, WEEE, REACH, EuP
ENERGY STAR® qualified models	see: www.hp.com/go/energystar

Warranty

	One-year limited hardware warranty

Service and support

Care packs		
	H4518E	HP Network Installation
	UN427E	HP 3y Next Business Day Onsite (24-in models)
	UN442E	HP 3y Next Business Day Onsite (44-in models)
	UN421PE	HP 1y Post Warranty Next Business Day Onsite (24-in models)
	UN436PE	HP 1y Post Warranty Next Business Day Onsite (44-in models)
	UN435E	HP 3 year 4 hour 13X5 (44-in models)

Ordering information

Product

CK837A	HP Designjet T1120 24-in Printer
CK838A	HP Designjet T1120ps 24-in Printer
CK839A	HP Designjet T1120 44-in Printer
CK840A	HP Designjet T1120ps 44-in Printer

Accessories

Q6663A	HP Designjet Zxx00/T1xx0/T610 24-in Stand
Q6700A	HP Designjet Zxx00/T1xx0/T610 24-in Spindle
Q6709A	HP Designjet T1xx0/T610 44-in Spindle
J7997G	HP Jetdirect 630n IPv6 Gigabit Print Server
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server
CN088A	Serif PosterDesigner Pro for HP
CM770A	HP Designjet 4520 Scanner

Original HP printheads

C9380A	HP 72 Gray & Photo Black Printhead
C9383A	HP 72 Magenta & Cyan Printhead
C9384A	HP 72 Matte Black & Yellow Printhead

Original HP ink cartridges with HP Vivera inks

C9397A	HP 72 69-ml Photo Black Ink Cartridge
C9398A	HP 72 69-ml Cyan Ink Cartridge
C9399A	HP 72 69-ml Magenta Ink Cartridge
C9400A	HP 72 69-ml Yellow Ink Cartridge
C9401A	HP 72 69-ml Gray Ink Cartridge
C9403A	HP 72 130-ml Matte Black Ink Cartridge
C9370A	HP 72 130-ml Photo Black Ink Cartridge
C9371A	HP 72 130-ml Cyan Ink Cartridge
C9372A	HP 72 130-ml Magenta Ink Cartridge
C9373A	HP 72 130-ml Yellow Ink Cartridge
C9374A	HP 72 130-ml Gray Ink Cartridge

Original HP large-format printing materials

Q6627A	HP Super Heavyweight Plus Matte Paper 210 g/m², 36 in. x 100 ft/914 mm x 30,5 m
Q6628A	HP Super Heavyweight Plus Matte Paper 210 g/m², 42 in. x 100 ft/1067 mm x 30,5 m
C6030C	HP Heavyweight Coated Paper 131 g/m², 36 in. x 100 ft/914 mm x 30,5 m
C6569C	HP Heavyweight Coated Paper 131 g/m², 42 in. x 100 ft/1067 mm x 30,5 m
Q1956A	HP Heavyweight Coated Paper 131 g/m², 42 in. x 225 ft/1067 mm x 67,5 m (NA & EMEA only)
C6019B	HP Coated Paper 90 g/m², 24 in. x 150 ft/610 mm x 45,7 m
C6020B	HP Coated Paper 90 g/m², 36 in. x 150 ft/914 mm x 45,7 m
C6980A	HP Coated Paper 90 g/m², 36 in. x 300 ft/914 mm x 91,4 m
C1860A	HP Bright White Inkjet Paper 90 g/m², 24 in. x 150 ft/610 mm x 45,7 m (NA & LAR only)
C6035A	HP Bright White Inkjet Paper 90 g/m², 24 in. x 150 ft/610 mm x 45,7 m (EMEA & AP only)
C1861A	HP Bright White Inkjet Paper 90 g/m², 36 in. x 150 ft/914 mm x 45,7 m (NA & LAR only)
C6036A	HP Bright White Inkjet Paper 90 g/m², 36 in. x 150 ft/914 mm x 45,7 m (EMEA & AP only)
C6810A	HP Bright White Inkjet Paper 90 g/m², 36 in. x 300 ft/914 mm x 91,4 m
Q1397A	HP Universal Bond Paper 80 g/m², 36 in. x 150 ft/914 mm x 45,7 m
C3868A	HP Natural Tracing Paper 90 g/m², 36 in. x 150 ft/914 mm x 45,7 m
C3875A	HP Clear Film 174 g/m², 36 in. x 75 ft/914 mm x 22,9 m
51642B	HP Matte Film 160 g/m², 36 in. x 125 ft/914 mm x 38,1 m
Q1427A	HP Universal High-gloss Photo Paper 190 g/m², 36 in. x 100 ft/914 mm x 30,5 m (NA, EMEA, AP only)
Q1421A	HP Universal Semi-gloss Photo Paper 190 g/m², 36 in. x 100 ft/914 mm x 30,5 m (NA, EMEA, AP only)
CG459A	HP Premium Matte Photo Paper 210 g/m², 24 in. x 100 ft/610 mm x 30,5 m
CG460A	HP Premium Matte Photo Paper 210 g/m², 36 in. x 100 ft/914 mm x 30,5 m
C7960A	HP Reverse Print Matte Backlit Film 160 g/m², 36 in. x 75 ft/914 mm x 22,9 m (NA, EMEA, AP only)
Q8834A	HP Self-adhesive Gloss Polypropylene 120 g/m², 36 in. x 75 ft/914 mm x 22,9 m
Q1442A	HP Coated Paper 90 g/m², (A1) 23.39 in. x 150 ft/594 mm x 45,7 m (EMEA & JP only)
Q1445A	HP Bright White Inkjet Paper 90 g/m², (A1) 23.39 in. x 150 ft/594 mm x 45,7 m (EMEA & JP only)
CG886A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 24 in. x 100 ft/610 mm x 30,5 m (US & EMEA only)
CG887A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 36 in. x 100 ft/914 mm x 30,5 m (US & EMEA only)
CG888A	HP Cockle-free Heavyweight Coated Paper 170 g/m², 42 in. x 100 ft/1067 mm x 30,5 m (US & EMEA only)
CG883A	HP Cockle-free Coated Paper 100 g/m², 24 in. x 150 ft/610 mm x 45,7 m (US & EMEA only)
CG884A	HP Cockle-free Coated Paper 100 g/m², 36 in. x 150 ft/914 mm x 45,7 m (US & EMEA only)
CG885A	HP Cockle-free Coated Paper 100 g/m², 42 in. x 150 ft/1067 mm x 45,7 m (US & EMEA only)
CG889A	HP Recycled Bond Paper 80 g/m², 24 in. x 150 ft/610 mm x 45,7 m (US & EMEA only)
CG890A	HP Recycled Bond Paper 80 g/m², 36 in. x 150 ft/914 mm x 45,7 m (US & EMEA only)
CG891A	HP Recycled Bond Paper 80 g/m², 42 in. x 150 ft/1067 mm x 45,7 m (US & EMEA only)
CG892A	HP Recycled Bond Paper 80 g/m², (A2) 16.54 in. x 150 ft/420 mm x 45,7 m (US & EMEA only)

More HP media sizes and weights available at:
www.hp.com/go/designjet/supplies

ecoHIGHLIGHTS

HP DESIGNJET T1120 PRINTER

ECO INFORMATION

- Save paper and avoid printing mistakes with HP Instant Printing Utility 2.0
- Less ink wasted thanks to efficient installation and maintenance routine.
- Free, convenient cartridge recycling[1]
- Supports 100% recycled media

- ENERGY STAR® Qualified Product

1. In countries where the HP's Planet Partner Program operates

www.hp.com/ecosolutions

Please recycle your printing hardware and supplies. Find out how at our website.

For more information, visit our website at:
www.hp.com/go/designjetT1120