



HP Designjet T1120 Printer series



Professional CAD printing for demanding workgroups

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.



(1) ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on E/AO printing material in Best or Normal mode with HP Matte Film.

(2) Serif PosterDesigner Pro for HP is an optional feature. Not included, sold separately.

(3) Compared to the HP Designjet 800 Printer series, based on 4 copies of 50 A1 pages using normal print quality on plain paper. Intervention time not included.

(4) This printer can emulate HP Designjet 500, HP Designjet 800, and HP Designjet 1000 printers.

(5) Mechanical printing time.

(6) Printed on plain media.

(7) Printed on coated media. Measured on a 44-in model.

(8) Printed on glossy media. Measured on a 44-in model.

(9) Only supported through HP Designjet T1120ps Printers

for CAD,
GIS, and
workgroups

Print in
35s/D

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 speed⁵		
Line drawings ⁶	Fast: 35 sec/page on D/A1, 72 D/A1 prints per hour (Econmode on) 56 D/A1 prints per hour (Econmode off)	
Color images	Fast: 445 ft ² /hr (41 m ² /hr) ⁷ Best: 30 ft ² /hr (2.8 m ² /hr) ⁸	
Printing		
Print resolution	Up to 2400 x 1200 optimized dpi	
Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in (5 x 5 x 5 x 5 mm) (borderless on photo papers) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in (5 x 16.75 x 5 x 5 mm)	
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% ⁹	
Line width	Minimum line width (HP-GL/2 addressable): 0.0007 in (0.02 mm) Guaranteed minimum line thickness (ISO/IEC 13660:2001(E))*: 0.0023 in (0.06 mm)	
Maximum print length	300 ft (91 m) (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/m ²	
Size	24-in models: 8.5 x 11 to 24 x 66 in (216 x 279 to 610 x 1676 mm) sheets; 11 to 24 in (279 to 610 mm) rolls 44-in models: 8.5 x 11 to 44 x 66 in (216 x 279 to 1118 x 1676 mm) sheets; 11 to 44 in (279 to 1118 mm) rolls	
Thickness	Up to 31.5 mil (0.8 mm)	
Maximum roll length	300 ft (91 m)	
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® drivers for Windows (optimized for AutoCAD 2000 and higher); HP PCL 3 GUI, PostScript® drivers for Mac OS X 10.4/10.5; support for Citrix XenApp and Citrix XenServer environments	
Recommended system requirements		
Macintosh	Mac OS X 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 ¹⁰	49.7 x 27.2 x 41.2 in (1262 x 690 x 1047 mm)	69.7 x 27.2 x 41.2 in (1770 x 690 x 1047 mm)
Shipping	56.69 x 30.16 x 30.4 in (1440 x 766 x 763 mm)	75.98 x 30.16 x 31.15 in (1930 x 766 x 791 mm)
Weight	24-in models	44-in models
Printer with stand ¹⁰	103.6 lb (47 kg)	189 lb (86 kg)
Shipping	224 lb (102 kg)	271 lb (123 kg)
What's in the box		

Printer, printheads (3 x 2 colors each), introductory ink cartridges, printer stand, quick reference guide, setup poster, Serif PosterDesigner Pro poster, start-up software, power cord

Environmental ranges		
Operating temperature	41 to 104° F (5 to 40° C)	
Recommended operating temperature	59 to 95° F (15 to 35° C) (depending on paper type)	
Storage temperature	-13 to 131° F (-25 to 55° C)	
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 (Maximum), 27 watts (Powersave), 0.1 watt (Off)	
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 (NICE)	
Electromagnetic	(VCCI), Certified as Class B products: EU (EMC Directive), USA (FCC Rules), Canada (ICES), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Certified as Class A products: 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	

HP Care Pack Services		
24 in	UN427E H4518E UN424E UN420E	HP 3-Year Next Business Day Onsite Service HP Installation Services with Network Setup HP 3-Year Same Day Onsite Service (9x5) HP 3-Year Same Day Onsite Service (13x5)
44 in	UN442E H4518E UN439E UN435E	HP 3-Year Next Business Day Onsite Service HP Installation Services with Network Setup HP 3-Year Same Day Onsite Service (9x5) HP 3-Year Same Day Onsite Service (13x5)



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

Ordering information

Product	HP Designjet T1120 24-in Printer HP Designjet T1120ps 24-in Printer HP Designjet T1120 44-in Printer 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 IPv6/1Psec 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/m ² , 36 in. x 100 ft/914 mm x 30.5 m Q6628A HP Super Heavyweight Plus Matte Paper 210 g/m ² , 42 in. x 100 ft/1067 mm x 30.5 m C6030C HP Heavyweight Coated Paper 131 g/m ² , 36 in. x 100 ft/914 mm x 30.5 m C6569C HP Heavyweight Coated Paper 131 g/m ² , 42 in. x 100 ft/1067 mm x 30.5 m Q1956A HP Heavyweight Coated Paper 131 g/m ² , 42 in. x 225 ft/1067 mm x 67.5 m C6019B HP Coated Paper 90 g/m ² , 24 in. x 150 ft/610 mm x 45.7 m C6020B HP Coated Paper 90 g/m ² , 36 in. x 150 ft/914 mm x 45.7 m C6980A HP Coated Paper 90 g/m ² , 36 in. x 300 ft/914 mm x 91.4 m C1860A HP Bright White Inkjet Paper 90 g/m ² , 24 in. x 150 ft/610 mm x 45.7 m C1861A HP Bright White Inkjet Paper 90 g/m ² , 36 in. x 150 ft/914 mm x 45.7 m C6810A HP Bright White Inkjet Paper 90 g/m ² , 36 in. x 300 ft/914 mm x 91.4 m Q1397A HP Universal Bond Paper 80 g/m ² , 36 in. x 150 ft/914 mm x 45.7 m C3868A HP Natural Tracing Paper 90 g/m ² , 36 in. x 150 ft/914 mm x 45.7 m C3875A HP Clear Film 174 g/m ² , 36 in. x 75 ft/914 mm x 22.9 m S1642B HP Matte Film 160 g/m ² , 36 in. x 125 ft/914 mm x 38.1 m Q1427A HP Universal Highgloss Photo Paper 190 g/m ² , 36 in. x 100 ft/914 mm x 30.5 m Q1421A HP Universal Semigloss Photo Paper 190 g/m ² , 36 in. x 100 ft/914 mm x 30.5 m CG459A HP Premium Matte Photo Paper 210 g/m ² , 24 in. x 100 ft/610 mm x 30.5 m CG460A HP Premium Matte Photo Paper 210 g/m ² , 36 in. x 100 ft/914 mm x 30.5 m C7960A HP Reverse Print Matte Backlit Film 160 g/m ² , 36 in. x 75 ft/914 mm x 22.9 m Q8834A HP Self-adhesive Glass Polypropylene 120 g/m ² , 36 in. x 75 ft/914 mm x 22.9 m CG886A HP Cottle-free Heavyweight Coated Paper 170 g/m ² , 24 in. x 100 ft/610 mm x 30.5 m CG887A HP Cottle-free Heavyweight Coated Paper 170 g/m ² , 36 in. x 100 ft/914 mm x 30.5 m CG888A HP Cottle-free Heavyweight Coated Paper 170 g/m ² , 42 in. x 100 ft/1067 mm x 30.5 m CG883A HP Cottle-free Coated Paper 100 g/m ² , 24 in. x 150 ft/610 mm x 45.7 m CG884A HP Cottle-free Coated Paper 100 g/m ² , 36 in. x 150 ft/914 mm x 45.7 m CG885A HP Cottle-free Coated Paper 100 g/m ² , 42 in. x 150 ft/1067 mm x 45.7 m CG889A HP Recycled Bond Paper 80 g/m ² , 24 in. x 150 ft/610 mm x 45.7 m CG890A HP Recycled Bond Paper 80 g/m ² , 36 in. x 150 ft/914 mm x 45.7 m CG891A HP Recycled Bond Paper 80 g/m ² , 42 in. x 150 ft/1067 mm x 45.7 m CG892A HP Recycled Bond Paper 80 g/m ² , (A2) 16.54 in. x 150 ft/420 mm x 45.7 m

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 recycling¹
- 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.



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