HP Designjet T790 ePrinter series

An easy plug-and-play large-format ePrinter.

So easy and intuitive, you'll love using it.

- Print to any HP Designjet printer without installing any drivers thanks to free HP ePrint & Share[1].

- Save time with accurate page previews, and discover the power of touch through its colour touchscreen that enables easy printing.

- Secure your investment: this HP ePrinter is Web-connected and easy to update. Software updates occur automatically, every six months.

- Create a print-ready PDF[4] file at the same time you print with HP ePrint & Share[1].

Print high-quality results at fast speeds.

- Achieve high-quality results: the 6-ink system has matte and photo black, and grey to produce true neutral greys and a wide range of vivid colours on plain and glossy media.

- Produce fine detailed lines with 0.02 mm minimum line width[2], and highly accurate drawings with innovative printhead technology and Original HP inks.

- Get the job done quickly without sacrificing quality: print up to 2 A1 prints per minute in Economode.

- Print complex files as easily as simple ones with 8 GB virtual memory[3].

Print from virtually anywhere[1].

- Use your Apple® or Android™ smartphone or tablet to print from virtually anywhere[1].

- Walk up to your printer's touchscreen, access files on the Web, and print them with HP ePrint & Share[1].

- Automatically save copies of your work to the cloud when you print using HP Designjet ePrint & Share[1].

- Email projects to your HP Designjet T790 ePrinter and print, thanks to its web-connectivity features[1].

[1] Requires an HP Designjet ePrint & Share account, Internet connection to the printer and connected Internet-capable device. When using the HP Designjet ePrint & Share mobile app, a compatible Apple® iOS or Android™ device and Internet connection are required. Data or connection charges may apply. Print times may vary. For more information, visit hp.com/go/eprintandshare.
[2] Using HP-GL/2.
[3] Based on 640 MB RAM.
[4] PDF files only available with PostScript accessory (optional accessory to be purchased separately) or buying PS versions.

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Technical specifications

Print

Line Drawings	32 sec/page on A1/D 93 A1 prints per hour
Maximum Print speed	Line drawing on plain paper in Draft mode with Economode on
Colour images	37 m²/hr on coated media; 6 m²/hr on glossy media 41 m²/hr on coated media; 6.7 m²/hr on glossy media
Print resolution	Up to 2400 x 1200 optimised dpi from 1200 x 1200 input dpi and Optimisation For Photo Paper selected
Margins (top x bottom x left x right)	Roll: 5 x 5 x 5 x 5 mm Sheet: 5 x 17 x 5 x 5 mm
Technology	HP Thermal Inkjet
Ink types	Dye-based (C, G, M, pK, Y); pigment-based (mK)
Ink colours	6 (cyan, grey, magenta, matte black, photo black, yellow)
Ink drop	6 pl (C, G, M, pK); 9 pl (mK, Y)
Print head nozzles	1056
Print Heads	3 (matte black and yellow, magenta and cyan, photo black and grey)
Line accuracy	+/- 0.1% (+/- 0.1% of the specified vector length or +/- 0.2 mm (whichever greater) at 23ºC, 50–60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Film)
Minimum line width	0.02 mm (HP-GL/2 addressable)
Guaranteed minimum line width	0.06 mm (ISO/IEC 13660:2001(E))
Maximum print length	91 m
Maximum media roll weight	11.9 kg
Maximum optical density	2.15 maximum black optical density (6 L*min)

Media

Handling	Sheet feed; roll feed; automatic cutter
Types	Bond and coated paper (bond, coated, heavyweight coated, super heavyweight plus matte, coloured); 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	210 x 279 to 610 x 1676 mm
Thickness	Up to 0.8 mm

Memory

RAM	8 GB (virtual)

Connectivity

Interfaces (standard)	Fast Ethernet (100Base-T); Hi-Speed USB 2.0; EIO Jetdirect accessory slot
Interfaces (optional)	Compatible HP Jetdirect print servers
Print languages (standard)	HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4, HP PCL 3 GUI
Print languages (optional)	Adobe® PostScript® 3; Adobe® PDF 1.7

Environmental ranges

Operating temperature	5 to 40ºC
Storage temperature	-25 to 55ºC
Operating humidity	20 to 80% RH
Storage humidity	0 to 95% RH

Acoustic

Sound Pressure	43 dB(A); 29 dB(A) standby
Sound Power	6.1 B(A); 4.7 B(A) standby

Dimensions (w x d x h)

Printer	1262 x 702 x 1050 mm
Packaged	1440 x 766 x 770 mm

Weight

Printer	60 kg
Packaged	77 kg

Power consumption

Maximum	< 120 watts (active), < 27 watts (standby), < 7 watts / < 25 watts with embedded Digital Front End (sleep), 0.1 watts (off)
Power requirements	Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 A max

What's in the box

CR648A	HP Designjet T790 PostScript ePrinter; printheads; introductory ink cartridges; spindle; quick reference guide; setup poster; startup software; power cord

Certification

Safety	EU (LVD and EN 60950-1 compliant); Russia (GOST)
Electromagnetic	Compliant with Class B requirements EU (EMC Directive)
Environmental	ENERGY STAR®; WEEE; EU RoHS; REACH; EuP; FEMP
ENERGY STAR	Yes

Warranty

	One-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements.

Ordering information

Product

CR648A	HP Designjet T790 610mm PostScript ePrinter

Accessories

CN500B	HP Designjet PostScript Upgrade Kit
CQ783A	HP Designjet T7xx 24-in Spindle
Q6709A	HP Designjet 1118mm Roll Feed Spindle
Q6663A	HP Designjet T/Z 24-in Stand
CQ654B	HP Designjet HD Scanner

Printheads

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

Ink supplies

C9370A	P 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
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

Service & support

HP596E	HP 3 year Next Business Day Designjet T790-24inch Hardware Support
HP601E	HP 4 year Next Business Day Designjet T790-24inch Hardware Support
HP602E	HP 5 year Next Business Day Designjet T790-24inch Hardware Support
HP598E	HP 3 year 4 hour 13x5 Designjet T790-24inch Hardware Support
HP993PE	HP 1 year Post Warranty Next Business Day Designjet T790-24inch Hardware Support
HP994PE	HP 2 year Post Warranty Next Business Day Designjet T790-24inch Hardware Support
HP997PE	HP 1 year Post Warranty 4 hour 13x5 Designjet T790-24inch Hardware Support
HP998E	HP 3 year Next Business Day Designjet T790-44inch Hardware Support
HQ009E	HP 4 year Next Business Day Designjet T790-44inch Hardware Support
HQ003E	HP 5 year Next Business Day Designjet T790-44inch Hardware Support
HP999E	HP 3 year 4 hour 13x5 Designjet T790-44inch Hardware Support
HQ015PE	HP 1 year Post Warranty Next Business Day Designjet T790-44inch Hardware Support
HQ013PE	HP 2 year Post Warranty Next Business Day Designjet T790-44inch Hardware Support
HQ016PE	HP 1 year Post Warranty 4 hour 13x5 Designjet T790-44inch Hardware Support

HP Designjet Support Services offer solutions for business critical environments - installation, extended support and maintenance, as well as variety of value added services. For more information, please visit hp.com/go/designjet/support.

Use Original HP inks and printheads to experience consistent high quality and reliable performance that enable less downtime. For more information, visit hp.com/go/OriginalHPinks.

Contact us

United Kingdom 0800.408.0784
Ireland 1.800.94.4757
Middle East 800.035703174
South Africa 0800.999.693

For the entire HP Large Format Printing Materials portfolio, please see globalBMG.com/hp.

For more HP Large Format Media substrates and sizes please visit us online at: http://www.hp.com/go/designjet/supplies