



# 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<sup>1</sup>.
- 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<sup>2</sup> file at the same time you print with HP ePrint & Share<sup>1</sup>.

### 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<sup>3</sup>, 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<sup>4</sup>.

### Access and print files where the job takes you.

- Print TIFF, JPEG, and PDF<sup>5</sup> files directly from your USB flash drive – no computer required.
- Walk up to your printer's touchscreen, access files on the Web, and print them with HP ePrint & Share<sup>1</sup>.
- Select and share projects using the touchscreen thanks to HP ePrint & Share<sup>1</sup>.
- Send plans directly to your office or the client site, even when you're on the go, and print remotely<sup>6</sup> to any large-format HP Web-connected Designjet from your computer or mobile device.

**ecoHIGHLIGHTS**

- Save paper with automatic print settings and two-roll configuration.
- Less ink wasted due to efficient installation and maintenance routines.
- Free, convenient HP ink cartridge and printhead recycling<sup>1</sup>.
- Works with FSC™<sup>2</sup> and PEFC certified HP papers<sup>3</sup>.

ENERGY STAR® qualified

<sup>1</sup> Visit <http://www.hp.com/recycle> to see how to participate and for HP Planet Partners programme availability; programme may not be available in your area.

<sup>2</sup> Trademark license code FSC-C017543.

<sup>3</sup> See <http://www.hp.com/go/HPmediareources>

[www.hp.com/ecosolutions](http://www.hp.com/ecosolutions)

<sup>1</sup> HP ePrint & Share is a free Web-printing solution that lets you automatically manage content online. It requires an Internet connection. Download ePrint & Share: [www.hp.com/go/eprintandshare](http://www.hp.com/go/eprintandshare)

<sup>2</sup> Requires AutoCAD plug-in.

<sup>3</sup> Using HP-GL/2.

<sup>4</sup> Based on 640 MB RAM.

<sup>5</sup> PDF files only available with PostScript accessory (optional accessory to be purchased separately) or buying PS versions.

<sup>6</sup> Remote Printing will be available by end of 2011.





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## TECHNICAL SPECIFICATIONS

Print	
Line drawings	<b>T790 610mm:</b> 32 sec/page; <b>T790 610mm PostScript:</b> 32 sec/page; <b>T790 1118mm:</b> 28 sec/page; <b>T790 1118mm PostScript:</b> 28 sec/page;
Colour images	37 m <sup>2</sup> /hr on coated media 2.8 m <sup>2</sup> /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)
Line accuracy	+/- 0.1%
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 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/m <sup>2</sup>
Size	<b>T790 610mm:</b> 210 x 279 to 610 x 1676 mm; <b>T790 610mm PostScript:</b> 210 x 279 to 610 x 1676 mm; <b>T790 1118mm:</b> 210 x 279 to 1118 x 1676 mm; <b>T790 1118mm PostScript:</b> 210 x 279 to 1118 x 1676 mm;
Thickness	Up to 0.8 mm

Memory	
Standard	8 GB (virtual)
Hard disk	<b>T790 610mm:</b> Optional, 160 GB (available with PostScript Upgrade); <b>T790 610mm PostScript:</b> Standard, 160 GB; <b>T790 1118mm:</b> Optional, 160 GB (available with PostScript Upgrade); <b>T790 1118mm PostScript:</b> Standard, 160 GB;

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)	<b>T790 610mm:</b> HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI; <b>T790 610mm PostScript:</b> Adobe® PostScript® 3; Adobe® PDF 1.7, HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI; <b>T790 1118mm:</b> HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI; <b>T790 1118mm PostScript:</b> Adobe® PostScript® 3; Adobe® PDF 1.7, HP-GL/2, TIFF, JPEG, CALS G4, HP PCL 3 GUI;
Print languages (optional)	Adobe® PostScript® 3; Adobe® PDF 1.7
Drivers included	<b>T790 610mm:</b> HP-GL/2, HP-RTL drivers for Windows® (optimised for AutoCAD 2000 and higher); HP PCL 3 GUI driver for Mac OS X; <b>T790 610mm PostScript:</b> HP-GL/2, HP-RTL drivers for Windows® (optimised for AutoCAD 2000 and higher); PostScript® Windows®, Linux, and Mac drivers; <b>T790 1118mm:</b> HP-GL/2, HP-RTL drivers for Windows® (optimised for AutoCAD 2000 and higher); HP PCL 3 GUI driver for Mac OS X; <b>T790 1118mm PostScript:</b> HP-GL/2, HP-RTL drivers for Windows® (optimised for AutoCAD 2000 and higher); PostScript® Windows®, Linux, and Mac drivers;

Recommended system requirements	
Mac	Mac OS X v10.5: PowerPC G4, G5, or Intel® Core processor; 1 GB RAM; 2 GB available hard disk space; Mac OS X v10.6: Mac computer with Intel® Core processor; 2 GB RAM; 4 GB available hard disk space
Windows	Microsoft® Windows® 7: 32-bit (x86) or 64-bit (x64) processor (1 GHz); 2 GB RAM (32-bit) or 4 GB RAM (64-bit); 4 GB available hard disk space; Windows Vista® Ultimate/Business/Home Premium: 32-bit (x86) or 64-bit (x64) processor (1 GHz); 2 GB RAM; 4 GB available hard disk space; Windows® XP Professional/Home (SP2 or higher): Intel® Pentium® family or AMD K6™/Athlon™/Duron™ family (1 GHz); 1 GB RAM; 2 GB available hard disk space

Dimensions (w x d x h)	
Printer	<b>T790 610mm:</b> 1262 x 702 x 1050 mm; <b>T790 610mm PostScript:</b> 1262 x 702 x 1050 mm; <b>T790 1118mm:</b> 1770 x 701 x 1050 mm; <b>T790 1118mm PostScript:</b> 1770 x 701 x 1050 mm;
Shipping	<b>T790 610mm:</b> 1440 x 766 x 770 mm; <b>T790 610mm PostScript:</b> 1440 x 766 x 770 mm; <b>T790 1118mm:</b> 1930 x 766 x 770 mm; <b>T790 1118mm PostScript:</b> 1930 x 766 x 770 mm;

Weight	
Printer	<b>T790 610mm:</b> 60 kg; <b>T790 610mm PostScript:</b> 60 kg; <b>T790 1118mm:</b> 81.6 kg; <b>T790 1118mm PostScript:</b> 81.6 kg;
Shipping	<b>T790 610mm:</b> 77 kg; <b>T790 610mm PostScript:</b> 77 kg; <b>T790 1118mm:</b> 103 kg; <b>T790 1118mm PostScript:</b> 103 kg;

What's in the box	
CR647A	HP Designjet T790 ePrinter; printheads; introductory ink cartridges; spindle; quick reference guide; setup poster; startup software; power cord
CR648A	HP Designjet T790 PostScript ePrinter; printheads; introductory ink cartridges; spindle; quick reference guide; setup poster; startup software; power cord
CR649A	HP Designjet T790 ePrinter; printheads; introductory ink cartridges; printer stand; spindle; quick reference guide; setup poster; startup software; power cord
CR650A	HP Designjet T790 PostScript ePrinter; printheads; introductory ink cartridges; printer stand; spindle; quick reference guide; setup poster; startup software; power cord

Environmental ranges	
Operating Temperature	5 to 40°C
Storage temperature	-25 to 55°C
Storage humidity	0 to 95% RH

Acoustic	
Sound Pressure	46 dB(A); 29 dB(A) standby
Sound Power	6.3 B(A); 4.4 B(A) standby

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

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	ENERGY STAR® qualified

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

## ORDERING INFORMATION

Product	
CR647A	HP Designjet T790 610mm ePrinter
CR648A	HP Designjet T790 610mm PostScript ePrinter
CR649A	HP Designjet T790 1118mm ePrinter
CR650A	HP Designjet T790 1118mm 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
CQ654A	HP Designjet HD Scanner
CN501A	HP Designjet External Hard Disk
J7961G	HP Jetdirect 635n IPv6/IPSec Print Server

Ink supplies	
C9380A	HP 72 Gray and Photo Black Printhead
C9383A	HP 72 Magenta and Cyan Printhead
C9384A	HP 72 Matte Black and Yellow Printhead
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 Grey 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 Grey Ink Cartridge

Media supplies	
C6030C	HP Heavyweight Coated Paper-914 mm x 30.5 m (36 in x 100 ft)
Q1397A	HP Universal Bond Paper-914 mm x 45.7 m (36 in x 150 ft)
CG891A	HP Recycled Bond Paper-1067 mm x 45.7 m (42 in x 150 ft)

Service & support	
T790 610mm/ T790 610mm PostScript	<b>HP596E</b> HP 3 year Next Business Day Designjet T790-24inch Hardware Support <b>HP601E</b> HP 4 year Next Business Day Designjet T790-24inch Hardware Support <b>HP602E</b> HP 5 year Next Business Day Designjet T790-24inch Hardware Support <b>HP598E</b> HP 3 year 4 hour 13x5 Designjet T790-24inch Hardware Support <b>HP993PE</b> HP 1 year Post Warranty Next Business Day Designjet T790-24inch Hardware Support <b>HP994PE</b> HP 2 year Post Warranty Next Business Day Designjet T790-24inch Hardware Support <b>HP997PE</b> HP 1 year Post Warranty 4 hour 13x5 Designjet T790-24inch Hardware Support
T790 1118mm/ T790 1118mm PostScript	<b>HP998E</b> HP 3 year Next Business Day Designjet T790-44inch Hardware Support <b>HQ009E</b> HP 4 year Next Business Day Designjet T790-44inch Hardware Support <b>HQ003E</b> HP 5 year Next Business Day Designjet T790-44inch Hardware Support <b>HP999E</b> HP 3 year 4 hour 13x5 Designjet T790-44inch Hardware Support <b>HQ015PE</b> HP 1 year Post Warranty Next Business Day Designjet T790-44inch Hardware Support <b>HQ013PE</b> HP 2 year Post Warranty Next Business Day Designjet T790-44inch Hardware Support <b>HQ016PE</b> HP 1 year Post Warranty 4 hour 13x5 Designjet T790-44inch Hardware Support

Count on dependable support to create the best image possible. We can help you enhance your printing and imaging environment, protect your IT investment, and grow your business—with expert support that's affordable, personal, and tailored to your needs through HP Care Pack Services.

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

For more information, visit our website at <http://www.hp.com>

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