HP Designjet T7100 Printer series

Low-cost mono printing at LED speed, high-quality colour and breakthrough total cost of ownership.

Print jobs faster while keeping costs low.

- Enjoy high-speed printing: get up to 4 A1-sized prints/min with improved HP Double Swath Technology.

- Enable unattended printing by high input/output capacity, with up to 3 rolls, an optional stacker for up to 500 prints and high-volume HP ink cartridges.

- Simplify and speed up your entire workflow –HP Instant Printing Pro[1] streamlines printing from beginning to end with driverless printing.

- Save time and expense – versus costly LED printing, with low-maintenance HP inkjet printing.

Meet your colour and mono needs with just one printer.

- Produce monochrome CAD drawings with a comparable cost to your current LED prints.

- Impress customers with crisp, accurate renders, professional images and presentations produced with the 6-ink printing system which includes the HP Three-black ink set.

- Choose from a broad range of HP media, for solutions that deliver consistent, high quality results and help you save time and money.

- Easily add rolls to your printing system (from 2 to 3) with an upgrade kit, and load different media on each one.

Seamlessly integrates with any IT environment.

- Manage this printer effortlessly with HP Web Jetadmin, and experience trusted connectivity and security with built-in Gigabit Ethernet networking and embedded IPsec and IPv6.

- Print confidently knowing this Designjet, with original HP-GL/2 and RTL, supports most CAD applications on a wide range of operating systems, and enjoy PostScript and PDF support[1].

- Manage your printing costs more effectively with embedded job accounting functionality which makes it easy to track usage and manage costs.

[1]HP Postscript/PDF upgrade kit required. Please purchase separately.

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Technical specifications

Print

Line Drawings	16 sec/page on A1/D 165 A1 prints per hour
Colour images	**CQ105A:** 117.5 m²/hr on coated media; 11.2 m²/hr on glossy media
Print speed	123.3 m²/hr; Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (bond). Speed indicated is maximum printer speed
Print resolution	Up to 2400 x 1200 optimized dpi
Margins (top x bottom x left x right)	Roll: 5 mm (top), 5 mm (right), 5 mm (left), 5 mm (bottom)
Technology	HP Thermal Inkjet
Ink colours	6 (cyan, magenta, yellow, matte black, grey, dark grey)
Print head nozzles	2112
Print heads	8 (2 yellow, 2 magenta and cyan, 2 matte black, 2 grey and dark grey)
Line accuracy	+/- 0.1% (+/- 0.1% of the specified vector length or +/- 0.2 mm (whichever greater) at 23º C, 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

Media

Handling	Two roll feeds (upgradeable to three); automatic roll switching; automatic cutter; media bin
Types	Bond and coated paper (bond, coated, recycled, heavyweight coated), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), self-adhesive (indoor paper, polypropylene, vinyl), banner and sign material (backlit, outdoor paper, blue back billboard paper)
Weight	70 to 328 g/m²
Thickness	Up to 0.4 mm

Memory

Standard	32 GB, Based on 1 GB RAM, Expandable to 1.5 GB RAM through a Designjet qualified SODIMM included only in the optional HP Designjet PostScript®/PDF Upgrade Kit accessory
Hard disk	Standard, 160 GB

Connectivity

Interfaces (standard)	Gigabit Ethernet (1000Base-T); EIO Jetdirect accessory slot; Hi-Speed USB 2.0
Interfaces (optional)	Compatible HP Jetdirect LAN cards
Print languages (standard)	HP-GL/2, HP-RTL, CALS G4
Print languages (optional)	Adobe® PostScript® 3; Adobe® PDF 1.7; TIFF; JPEG
Drivers included	HP-GL/2, HP-RTL drivers for Windows® (optimised for AutoCAD 2000 and higher); PostScript® Windows®, Linux, and Mac drivers with optional PostScript®/PDF Upgrade Kit

Environmental ranges

Operating temperature	5 to 40ºC
Storage temperature	–20 to 55ºC
Operating humidity	20 to 80% RH
Storage humidity	20 to 80% RH

Acoustic

Sound Pressure	53 dB(A), 38 dB(A) (standby)
Sound Power	7.0 B(A), 5.8 B(A) (standby)

Dimensions (w x d x h)

Printer	1974 x 700 x 1374 mm
Packaged	2232 x 761 x 1269 mm

Weight

Printer	187 kg
Packaged	220 kg

Power consumption

Maximum	420 watts maximum, 270 watts (active), <100 watts (standby), <9 watts/<46 watts with embedded Digital Front End (sleep), <0.5 watts (manual off)
Power requirements	Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 3 A; 50/60 Hz (+/- 3 Hz)

What's in the box

CQ105A	HP Designjet T7100 Printer; printheads; introductory ink cartridges; printer stand; media bin; 762 mm (3-in) spindle adaptor kit (x2); maintenance cartridge; startup software; quick reference guide; setup poster; power cords

Certification

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

Warranty

	Standard warranty: two years, next business day on-site support. Warranty and support options vary by product, country and local legal requirements.

Ordering information

Product

CQ105A	HP Designjet T7100 Printer

Accessories

CQ745A	HP Designjet PostScript/PDF Upgrade Kit
CQ742A	HP Designjet 220V Stacker
CQ743A	HP Designjet Roll Upgrade Kit

Ink supplies

CH649A	HP 761 Designjet Maintenance Cartridge
CH645A	HP 761 Yellow Designjet Printhead
CH646A	HP 761 Magenta/Cyan Designjet Printhead
CH647A	HP 761 Gray/Dark Gray Designjet Printhead
CH648A	HP 761 Matte Black/Matte Black Designjet Printhead
CM997A	HP 761 775-ml Matte Black Designjet Ink Cartridge
CM991A	HP 761 400-ml Matte Black Designjet Ink Cartridge
CM992A	HP 761 400-ml Yellow Designjet Ink Cartridge
CM993A	HP 761 400-ml Magenta Designjet Ink Cartridge
CM994A	HP 761 400-ml Cyan Designjet Ink Cartridge
CM995A	HP 761 400-ml Gray Designjet Ink Cartridge
CM996A	HP 761 400-ml Dark Gray Designjet Ink Cartridge
CR270A	HP 761 3-pack 400-ml Yellow Designjet Ink Cartridge
CR271A	HP 761 3-pack 400-ml Magenta Designjet Ink Cartridge
CR272A	HP 761 3-pack 400-ml Cyan Designjet Ink Cartridge
CR273A	HP 761 3-pack 400-ml Gray Designjet Ink Cartridge
CR274A	HP 761 3-pack 400-ml Dark Gray Designjet Ink Cartridge
CR275A	HP 761 3-pack 775-ml Matte Black Designjet Ink Cartridge

Media supplies

C6036A	HP Bright White Inkjet Paper-914 mm x 45.7 m
C6810A	HP Bright White Inkjet Paper-914 mm x 91.4 m (36 in x 300 ft)
Q1398A	HP Universal Bond Paper-1067 mm x 45.7 m (42 in x 150 ft)
Q8751A	HP Universal Bond Paper-914 mm x 175 m (36 in x 574 ft)
Q1414A	HP Universal Heavyweight Coated Paper-1067 mm x 30.5 m (42 in x 100 ft)
Q1956A	HP Heavyweight Coated Paper-1067 mm x 67.5 m (42 in x 225 ft)
C3875A	HP Clear Film-914 mm x 22.9 m (36 in x 75 ft)
51642B	HP Matte Film-914 mm x 38.1 m (36 in x 125 ft)
Q8754A	HP Universal Instant-dry Gloss Photo Paper-1067 mm x 61 m (42 in x 200 ft)
Q8755A	HP Universal Instant-dry Satin Photo Paper-1067 mm x 61 m (42 in x 200 ft)
Q1428A	HP Universal Gloss Photo Paper-1067 mm x 30.5 m (42 in x 100 ft)
CH025A	HP 2-pack Everyday Matte Polypropylene-1067 mm x 30.5 m (42 in x 100 ft)

Service & support

UX919E HP Care Pack, Next Business Day Designjet T7100 Hardware Support, 3 years
UX923E HP Care Pack, Next Business Day Designjet T7100 Hardware Support, 4 years
UX922E HP Care Pack, Next Business Day Designjet T7100 Hardware Support, 5 years
UX920E HP Care Pack, 4 Hour Response Time 13x5 Designjet T7100 Hardware Support, 3 years
UX933 HP Care Pack, Post Warranty Next Business Day Designjet T7100 Hardware Support, 1 year
UX932 HP Care Pack, Post Warranty Next Business Day Designjet T7100 Hardware Support, 2 years
UX935 HP Care Pack, Post Warranty 4 Hour Response Time 13x5 Designjet T7100 Hardware Support, 1 year
H4518E HP Care Pack, Network Install Designjet T23-71XX, 400-6200 SVC

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.

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