HP DESIGNJET T7100 Printer series

INKJET PRINTING with
LED SPEED at BREAKTHROUGH TCO

PRINT 4 D-SIZED PAGES/MIN, EXPERIENCE A LOW TCO

Print jobs faster while keeping costs low with this proven production workhorse. It requires little-to-no maintenance versus LED printing, so it's ready when you are. Plus, it can run unattended, enabling you to focus on customers—not your printer.

- Enjoy high-speed, unattended printing.
- Radically simplify and speed up your entire workflow.
- Save time and expense—versus costly LED printing—with low-maintenance HP inkjet printing.
- Choose the configuration that best fits your printing needs today—and tomorrow.

ONE PRINTER TO MEET YOUR MONO AND COLOR NEEDS[1]

Get two printing systems—both mono and color—in one.[1] The versatile HP Designjet T7100 Printer series can produce low-cost CAD drawings and high-quality color documents.

- Produce monochrome CAD drawings for the same cost as your current LED prints—and even use laser paper.
- Impress customers with crisp, accurate renders, professional images on photo paper, and presentations.[1]
- Explore the broad HP printing materials portfolio—consistent, high-quality results save time and money.
- Load different media on 3 different rolls. HP makes it easier than ever to be flexible and versatile.

SEAMLESSLY INTEGRATES WITH ANY IT ENVIRONMENT

This printer fits seamlessly into any production environment, with built-in connectivity, security, and manageability tools. Plus, embedded job accounting makes it easy to track usage and manage costs.

- Rest assured, this printer is easy to integrate, manage, and secure.
- Print confidently, knowing this Designjet supports the next generation of mainstream applications and formats.
- Manage your printing costs more effectively with embedded job accounting functionality.

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ecoHIGHLIGHTS

HP DESIGNJET T7100 PRINTER SERIES

ECO INFORMATION

- Save paper with automatic print settings and image nesting
- Free, convenient HP ink cartridge and printhead recycling[1]
- Works with FSC™ certified HP papers

- ENERGY STAR® Qualified
- FSC™ certified HP papers:
    - HP Bright White Inkjet Paper
    - HP Universal Bond Paper
    - HP Universal Coated Paper
    - HP Universal Heavyweight Coated Paper

[1]Program availability varies. Please check **www.hp.com/recycle** for details.

www.hp.com/ecosolutions

Please recycle large-format printing hardware and printing supplies. HP recycling services make it easy to dispose of products at end-of-use.

PANTONE Digital Color

HIT **PRINT** INTELLIGENTLY

[1]The HP Designjet T7100 Printer series includes color and mono-only models. Color capability is available on the HP Designjet T7100 Printer.
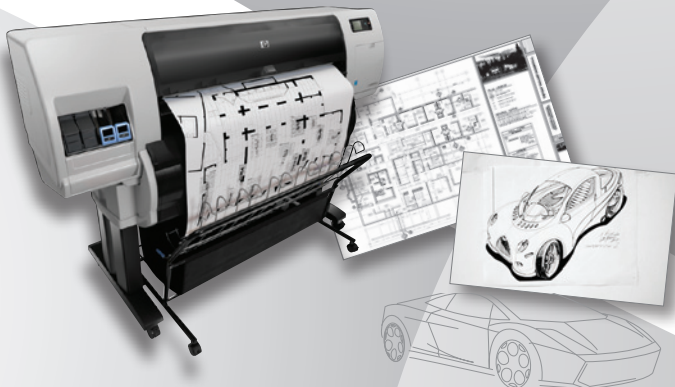
CHOOSE *the* CONFIGURATION

Your needs are important. That's why the HP Designjet T7100 printing system can be configured to meet them. Choose from a variety of certified workflow solutions and accessories to customize your printer—now or in the future.

Customize your printer

1 **Boost your productivity with an additional roll**

Increase your capacity to up to three rolls with the **HP DESIGNJET ROLL UPGRADE KIT**. The easy-to-install roll supports a broad range of media, and it integrates smoothly with the HP Smart Roll Loading System for nearly effortless loading.

(CQ743A)

2 **Simplify and speed up your printing experience**

With the **HP DESIGNJET POSTSCRIPT®/PDF UPGRADE KIT**, you can process complex files, support PostScript, PDF, TIFF, and JPEG files, and create emulations of PANTONE colors. And it supports HP Instant Printing Pro, which streamlines printing from beginning to end.

(CQ745A)

3 **Protect your most sensitive data**

With the **HP DESIGNJET EXTERNAL HARD DISK**, you can store your data on a hard disk drive that's separate from your printer.

(CN501A)

For **LARGE WORKGROUPS** with **COLOR NEEDS**

GAIN THE VERSATILITY of color printing while maintaining low monochrome printing costs. Produce a range of applications, from low-cost CAD monochrome drawings to high-quality presentations, with the same printer.

AUTOMATE MANUAL PROCESSES AND EXPERIENCE ENHANCED COMPATIBILITY with multiple graphic design applications and multi-file support—and accommodate large, complex files with the **HP DESIGNJET POSTSCRIPT®/PDF UPGRADE KIT - 2**

For **LARGE WORKGROUPS** with **BLACK-AND-WHITE** needs only[1]

PRODUCE HIGH-QUALITY, LOW-COST CAD DRAWINGS that demonstrate your professional best. Two black Original HP inks—matte black and dark gray—enable crisp lines, dark blacks, and fine grayscale transitions.

[1]Not available in Europe.

that **BEST** FITS *your* PRINTING NEEDS

With the HP Designjet T7100 Printer series, you can be:

- MORE VERSATILE with high-quality color and low-cost monochrome capabilities
- MORE PRODUCTIVE with fast speed and unattended printing
- MORE CONFIDENT with a printer that integrates easily, is configurable and upgradeable, and is simple to manage

with an array of accessories

4 **Bring powerful color copy/scan functions in-house**
Increase productivity with enhanced scan and high processing speeds. Scan weathered and worn originals and see high-quality results that look better than the original with the **HP DESIGNJET HD SCANNER**. (CQ654A)

5 **Print unattended runs**
During business hours and even overnight, you can print unattended runs with the **HP DESIGNJET STACKER**. It collects up to 500 D- or A1-size plots and automatically flattens them, keeping them organized until they can be gathered. (CQ742A) (CQ742B)

6 **Flexibly automate, standardize, and manage color consistently**
With the **SCP REPROCONTROL FOR HP** (1 printer/2 printers), print settings can be automated, mixed print jobs easily handled, and file submissions and configurations managed remotely within your workflow. (CN454A) (CN455A)

For **PRINT SERVICE PROVIDERS**

PRINT UNATTENDED RUNS during business hours and even overnight with the **HP DESIGNJET STACKER - 5**

INCREASE YOUR PRODUCTIVITY AND VERSATILITY with an additional roll using the **HP DESIGNJET ROLL UPGRADE KIT - 1**

QUICKLY TRANSFORM ANY ORIGINALS INTO DIGITAL DOCUMENTS with the **HP DESIGNJET HD SCANNER - 4**

SIMPLIFY JOB PREPARATION AND IMPROVE PRODUCTIVITY with **HP INSTANT PRINTING PRO SOFTWARE** supported with the **HP DESIGNJET POSTSCRIPT®/PDF UPGRADE KIT - 2**

For **PRINT SERVICE PROVIDERS** with **ADVANCED WORKFLOW NEEDS**

BUILD AN END-TO-END SOLUTION: take advantage of HP-certified third-party solutions to improve your workflow with more advanced workflow solutions, from managing production to folding and finishing.

SCP scan copy print   **es-te** *Berlin*   **bay**   **PLP** DIGITAL SYSTEMS

HP DESIGNJET T7100 Printer series

TECHNICAL SPECIFICATIONS

PRINT

Line drawings[1]	15.5 sec/page on A1/D, 165 A1/D prints per hour
Color images[2]	Fast: 17.5 sec/page on A1/D or up to 117.5 m²/hr (1265 ft²/hr) on coated media Best: 4 min/page on A1/D or up to 8.9 m²/hr (96 ft²/hr) on glossy media
Maximum print speed[1]	123.3 m²/hr (1320 ft²/hr)
Print resolution	Color: up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization For Photo Paper selected Mono: Up to 1200 x 1200 optimized dpi from 600 x 600 input dpi
Margins (top x bottom x left x right)	5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in)
Technology	HP Thermal Inkjet
Ink cartridge colors	Color: cyan, magenta, yellow, matte black, gray, dark gray Mono: matte black, dark gray
Ink types	Dye-based (C, M, Y, G, DG); pigment-based (mK)
Ink drop	6 pl (C, M, DG, G); 9 pl (Y, mK)
Ink cartridge size	775 ml (matte black) 400 ml (matte black, cyan, magenta, yellow, gray, dark gray)
Line accuracy	+/- 0.1%[3]
Minimum line width	0.02 mm (0.0008 in) (HP-GL/2 addressable)
Guaranteed minimum line width	0.06 mm (0.0024 in) (ISO/IEC 13660:2001(E))[4]

MEDIA

Handling	Two automatic rolls (upgradeable to three), automatic roll switching, automatic cutter, media bin
Types	2 and 3-in core: bond and coated[5] paper (bond, coated, recycled, heavyweight coated), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), photographic paper[5] (satin, gloss, semi-gloss, matte, high-gloss), self-adhesive[5] (indoor paper, polypropylene, vinyl), banner and sign material[5] (backlit, outdoor paper, blue back billboard paper)
Weight	70 to 328 g/m²
Size	28 to 106.7-cm (11 to 42-in) rolls, up to 18 kg (26.5 lb)
Thickness	Up to 0.4 mm (15.7 mil)

MEMORY

	32 GB (virtual)[6], 160 GB hard disk

CONNECTIVITY

Interfaces (standard)	Gigabit Ethernet (1000Base-T), Hi-Speed USB 2.0 certified, EIO Jetdirect accessory slot
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® (optimized for AutoCAD 2000 and higher); PostScript® Windows, Linux, and Mac drivers with optional PostScript/PDF Upgrade Kit

DIMENSIONS (w x d x h)

Printer	1970 x 690 x 1370 mm (77.5 x 27.2 x 53.9 in)
Shipping	2232 x 761 x 1269 mm (87.9 x 30 x 50 in)

WEIGHT

Printer	187 kg (412 lb)
Shipping	Color: 220 kg (484 lb) Mono: 200 kg (440 lb)

WHAT'S IN THE BOX

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

ENVIRONMENTAL RANGES

Operating temperature	5 to 40° C (41 to 104° F)
Storage temperature	-20 to 55° C (-4 to 131° F)
Operating humidity	20 to 80% RH

ACOUSTIC

Sound pressure, active	53 dB(A)
Sound pressure, standby	38 dB(A)
Sound power, active	7.0 B(A)
Sound power, standby	5.8 B(A)

POWER

Printing	270 watts
Powersave	< 9 watts (< 46 watts with embedded Digital Front End)
Off	< 0.5 watts
Requirements	Input voltage (auto ranging): 100 to 127 VAC (+/- 10%), 5 A; 220 to 240 VAC (+/- 10%), 3 A; 50/60 Hz (+/- 3 Hz)

CERTIFICATION

Safety	USA and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), China (CCC), Singapore (PSB)
Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, FEMP
ENERGY STAR® qualified models	see: www.hp.com/go/energystar

WARRANTY

	1 year limited hardware warranty

[1] Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (Bond).
[2] Mechanical printing time.
[3] +/-0.1% of the specified vector length or +/-0.2 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Film.
[4] Measured on HP Matte Film.
[5] Not compatible with HP Designjet T7100 Monochrome Printer. HP bond papers (Bright White and Universal Bond) are compatible with the HP Designjet T7100 Monochrome Printer.
[6] 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.
[7] Compatibility varies by printer.
[8] Not available in Europe.
[9] HP offers the HP Large-format Media take-back program in North America and Europe through which most HP recyclable media can be returned, availability varies. Some recyclable papers can be recycled through commonly available recycling programs. In some cases in North America and Asia (including Japan), media are recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in some cases in Europe media are recyclable in consumer collection systems that accept liquid packaging. For details visit www.hp.com/recycle. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.
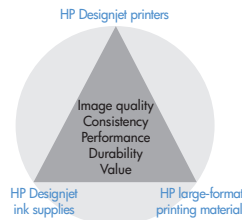[10] Supported for line drawings only

For more information, visit our website at: www.hp.com/go/designjetT7100

4AA2-7313ENUC, September 2010

ORDERING INFORMATION

PRODUCT

CQ105A	HP Designjet T7100 Printer
CQ101A	HP Designjet T7100 Monochrome Printer

ACCESSORIES

CQ743A	HP Designjet Roll Upgrade Kit
CQ745A	HP Designjet PostScript®/PDF Upgrade Kit
CN501A	HP Designjet External Hard Disk
CQ742A	HP Designjet 220V Stacker
CQ742B	HP Designjet 110V Stacker
CQ654A	HP Designjet HD Scanner
CN088A	Serif PosterDesigner Pro for HP
CN454A	SCP reprocontrol for HP (1 printer)
CN455A	SCP reprocontrol for HP (2 printers)
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server

ORIGINAL HP PRINTHEADS[7]

CH645A	HP 761 Yellow Designjet Printhead
CH646A	HP 761 Magenta and Cyan Designjet Printhead
CH647A	HP 761 Gray and Dark Gray Designjet Printhead
CH648A	HP 761 Matte Black and Matte Black Designjet Printhead
CN074A	HP 762 Dark Gray Designjet Printhead[8]

ORIGINAL HP INK CARTRIDGES[7]

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
CM997A	HP 761 775-ml Matte Black Designjet Ink Cartridge

ORIGINAL HP MAINTENANCE SUPPLIES[7]

CH649A	HP 761 Designjet Maintenance Cartridge
CM998A	HP 762 Black Designjet Maintenance Cartridge[8]

The HP printing system

HP printers, HP ink formulations and printing supplies, and HP printing materials are designed and engineered to work together as an optimized printing system, providing exceptional print quality and reliability—print after print. HP supplies are exceptionally consistent—providing less downtime and increased productivity.

Try these popular HP media and experience optimum performance from your HP printing system:

ORIGINAL HP LARGE-FORMAT PRINTING MATERIALS[7]

HP Bright White Inkjet Paper [9]	ColorPRO FSC™ certified	C1860A, C1861A, C6810A
HP Universal Bond Paper [9]	ColorPRO FSC™ certified	Q1396A, Q1397A, Q1398A, Q8751A
HP Recycled Bond Paper		CG889A, CG890A, CG891A
HP Universal Heavyweight Coated Paper [9]	FSC™ certified	Q1412A, Q1413A, Q1414A
HP Universal Coated Paper	FSC™ certified	Q1404A, Q1405A, Q1406A
HP Translucent Bond Paper[10]		C3859A, C3860A
HP Vellum Paper[10]		C3861A, C3862A
HP Clear Film [9]		C3875A, C3876A
HP Matte Film [9]		51642A, 51642B
HP Premium Matte Photo Paper		CG459A, CG460A
HP Universal Instant-dry Gloss Photo Paper HP Universal Instant-dry Semi-gloss Photo Paper [9]		Gloss: Q6574A, Q6575A, Q6576A, Q8754A Semi-gloss: Q6579A, Q6580A, Q6581A, Q8755A
HP Premium Plus Gloss Photo Paper (Satin)		Q5486A-Q5488A (Q5489A-Q5491A, Q7920A)
HP Universal High-gloss Photo Paper HP Universal Semi-gloss Photo Paper		High-gloss: Q1426A, Q1427A, Q1428A Semi-gloss: Q1420A, Q1421A, Q1422A
HP Everyday Adhesive Matte Polypropylene		CG843A, CG824A, CG825A

For more HP large-format printing materials and detailed information on sizes and region availability, please visit us online at: www.hp.com/go/lfprinting/materials-supplies

FSC™ certified HP printing materials carry the Forest Stewardship Council (FSC) Mixed Sources label, signifying that these media support the development of responsible forest management worldwide. With the addition of ColorPRO Technology, HP papers provide professional quality and striking results at production speed for high-quality, high-productivity printing of graphics and technical applications. Keep printing materials out of landfill with HP recyclable media eligible for free return and recycling through the HP Large-format Media take-back program.[9]

SERVICE AND SUPPORT

Color	Mono	
UX919	UX937E	HP 3 year Next Business Day Onsite Support
UX920	UX938E	HP 3 year 4 hour response, 13x5 Onsite Support
UX921	UX939E	HP 3 year 4 hour response, 9x5 Onsite Support
H4518E	H4518E	HP Network Installation Service Designjet 400-6200 SVC
H7604E	H7604E	HP Installation Service Designjet 400-6200 SVC
UX928	UX946E	HP 3 year Next Business Day Onsite Support with Defective Media Retention
UX933	UX951PE	HP 1 year Post Warranty, Next Business Day Onsite Support
UX935	UX953PE	HP 1 year Post Warranty, 4 hour response, 13x5 Onsite Support