HP Designjet 100plus Printer

The HP Designjet 100plus personal multi-format printer lets you print all your standard and oversize output in color, in-house—in minutes. Print everything from postcards to presentations or spreadsheets to schematics, all with no taping or outsourcing.

Versatile

- **Save time with convenient media handling.** The HP Designjet 100plus is designed with three independent paper paths: the automatic C-size paper tray (up to 18 x 24 inches) accommodates 150 sheets of plain paper, a manual sheet feed tray making it possible to print custom media up to 24 x 64 inches, and a rear straight-through paper path ideal for thicker media. You can even load oversize sheets without unloading smaller sheets in the tray.

- **Print using the media that will make you successful.** Create displays, mockups or models with thick or rigid media up to 0.4 mm or 80 lb. And choose from a range of media for office documents or specialized applications, including coated and glossy papers as well as CAD papers and films.

Budget-friendly

- **Single printing solution.** Print a variety of office, CAD and oversize documents from proposals to drawings from only one economical printer.

- **Eliminates expensive outsourcing.** Anyone with occasional large-format needs can economically print documents in-house.

- **Replace only the ink supplies you need.** Modular, individually replaceable supplies make color cost effective.

Professional results

- **Get consistently superb photo quality for all your professional documents.** Specially formulated inks, the 1200 dpi writing system and HP color layering technology provide a wide gamut of vivid colors, continuous tones and smooth color transitions.

- **Fast results.** Prints at up to 11 pages per minute (ppm) for letter size in Fast mode and 90 seconds per page for 2 x 3 feet drawing in Fast mode.

- **Print crisp, sharp lines and text.** HP technology ensures precise dot placement for excellent image and line quality for all your professional documents. Black, pigmented ink produces dense, dark lines and text with sharp, lasting results for reproduction or long-term storage.

- **Everyday printing plus no compromise CAD results.** Optimized drivers deliver high-quality business documents and images with standard office features like number of copies, zoom and custom page size. AutoCAD drivers handle the intricacies of AutoCAD printing, including line styles and weights, line ends and joins, annotations and raster patterns.

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1. LCD printer status indicator for ink supply maintenance and print messages alert

2. Modular ink system with four independently replaceable ink cartridges so you replace only the ink colors you need

3. Cancel-print button immediately terminates print jobs, saving ink and saving time

4. Front manual feed handles media up to 24 inches wide

5. Standard media tray handles media up to 18 x 24 inches and can accommodate up to 150 sheets (plain paper)

6. Small footprint allows you to place printer on your desktop or common work area

7. Connect via EIO slot or standard USB and Centronics parallel IEEE ports

8. Rear manual feed designed to support extra thick media— up to 80 lb

HP Designjet 100plus front shown

HP Designjet 100plus rear shown

HP Designjet 100plus at a glance

HP Designjet 100plus printer
- 150-sheet tray (plain paper) for sheets up to 18 x 24 in
- Slot for single sheets up to 24 x 64 in
- Open EIO slot for optional network connectivity

Optional accessories:
- Printer stand and media bin
- HP Jetdirect 615n network card

Expand your in-house color printing capabilities with the HP Designjet 100plus printer.

Versatility that delivers on productivity, communication and effectiveness

Nearly every business or department can benefit by adding an HP Designjet 100plus printer. On-demand oversize printing, as well as standard office operation, in a single, affordable device can increase efficiency and effectiveness for a wide range of operations, both large and small.

- Construction companies can cost-effectively add onsite printing for plans and schematics.

- Interior designers can create detailed plans and final presentations up to 24 inches wide, as well as prepare estimates, proposals and invoices—all from a single printer.

- Freelance architects or engineering students can print full-size projects and standard-size reports at any hour of the day, without leaving their office or dorm room.

- Finance or IT professionals can present financial data or collaborate on schedules with oversize output from applications like Visio or Excel.

- HR departments and administrative assistants can display posters for employee meetings, onsite events or training classes.

- Facilities managers can easily update required safety notices or manage office space in real-time with no outsourcing.

- Legal departments and law enforcement officials can map crime patterns or create persuasive courtroom graphics.

The quiet operation and small footprint makes the HP Designjet 100plus printer an easy addition to most workspaces. It offers desktop printer ease of use, with no special training or large-format expertise required. There's virtually no maintenance, and each unit is backed by an entire network of professionals and a wide range of services and support available via phone and online.

Customers see big results

Worldwide, companies big and small are seeing the advantages of expanding their in-house printing capabilities. By printing everything from CAD drawings to poster-size presentations, companies are saving money, improving communications and impressing clients with HP Designjet 100 series printers.[1]

"Producing...posters for presentations is something that our customers find different and interesting and that increases the interaction we have with them... We know that our HP Designjet 100 large-format printer was excellent value for the money and a good investment because it increases our ability to communicate with our customers."

—Montserrat Marsal, Senior Manager, PricewaterhouseCoopers, Spain

"The HP Designjet 100 combines high-quality, professional CAD output with exceptional versatility... It has expanded out CAD printing capabilities to A1/D size, gives better quality renderings, and has improved our work flow greatly."

—Xavi Cortadellas, Project Manager, Nike Espanola, Retail Department

"In the past...the cost was so prohibitive that we had to make do with alternatives such as sticking pieces of paper together with tape. Some things we wanted to do were ruled out completely because of financial considerations...It has become an indispensable tool for our business presentations, and our clients are highly impressed."

—Dave Jones, IT Consultant, Ashridge Consulting, LTD, UK

[1] All real customer responses based on usage of HP Designjet 100 printers (C7796A).

HP Designjet 100plus Printer

Technical specifications

HP Designjet 100plus (Product number: C7796C)

Print speed, maximum	11ppm for letter (fast) and 90 seconds for D-size line drawings (fast)
Print speed, using N5 file	B size: up to 4 min/page (Normal, glossy); B size: up to 6 min/page (Best, glossy) D size: up to 14.5 min/page (Normal, glossy); D size: up to 21.5 min/page (Best, glossy)
Resolution, maximum	Up to 1200 x 600 dpi
Print margins (B-size)	Top: 0.2 in; bottom: 0.47 in; left: 0.2 in; right: 0.2 in
Memory	64 MB
Media	
Media handling	Automatic paper tray for 150 sheets up to 18 x 24 in; front manual-feed path for single sheets up to 24 inches wide; rear manual path for thick media
Types	Paper (plain, coated, natural tracing, photo, glossy, brochure, heavyweight), transparencies, vellum, translucent bond
Weight (by paper path)	Tray 1: 17.3 to 40 lb; manual single-sheet feed: 17.3 to 40 lb; rear path: up to 80 lb
Thickness (by paper path)	Tray 1: up to 0.008 in, envelopes: up to 0.015 in; front path: up to 0.008 in; rear path: up to 0.015 in
Media size	Postcards, letter, legal, tabloid, C, D, D+, envelopes
Printing	
Print technology	HP Thermal Inkjet
Print technology resolution	HP color layering technology, PhotoREt
Print cartridge colors	Black, cyan, magenta, yellow
Ink types	Pigment-based (black), dye-based (cyan, magenta, yellow)
Connectivity	
Interfaces	Standard: USB 1.1 (Microsoft® Windows® 98 second edition, Me, 2000 and XP) USB 2.0 compliant, Centronics parallel IEEE 1284 compliant (ECP), 1 EIO slot; Optional: HP Jetdirect 615n, HP Jetdirect 680n, HP Jetdirect 610n, HP Jetdirect 600n, HP Jetdirect 175x, HP Jetdirect 310x, HP Jetdirect 380x
Languages	PCL3-GUI
Drivers (included)	PCL3-GUI Windows driver, Microsoft Windows drivers (95, 98, Me, NT 4.0, 2000, XP) including support for AutoCAD 2000 and AutoCAD 13-14 drivers, USB and ECP drivers, Raster driver for Mac OS (9.x, OS X v10.1, 10.2, 10.3)
Standard operating systems	Microsoft Windows 95, 98, Me, NT 4.0, 2000, XP; Macintosh 9.1, 9.2, OS X v10.1, 10.2, 10.3
Network operating systems	Microsoft Windows XP, NT 4.0 Server, 2000 Server, 2002 Server; Novell; Mac OS
System requirements	
Minimum	**Windows:** Microsoft Windows 95, 98: Pentium® I, 133 MHz, 48 MB RAM, 300 MB available hard disk space; Microsoft Windows NT®: Pentium II, 300 MHz, 64 MB RAM, 400 MB available hard disk space; Microsoft Windows 2000: Pentium II, 300 MHz, 128 MB RAM, 400 MB available hard disk space; Microsoft Windows XP: Pentium III, 733 MHz, 128 MB RAM, 400 MB available hard disk space; **Mac:** Mac OS X v10.3 (custom paper sizes require 10.2+), Mac OS 9 v9.0.4 and above; iMac G3, G4, G5 dual processor, iBook, PowerBook, eMac
Recommended	**Windows:** Microsoft Windows 95, 98: Pentium I, 133 MHz, 64 MB RAM, 320 MB available hard disk space; Microsoft Windows NT: Pentium III, 733 MHz, 128 MB RAM, 2 GB available hard disk space; Microsoft Windows 2000: Pentium III, 733 MHz, 256 MB RAM, 2 GB available hard disk space; Microsoft Windows XP: Pentium IV, 1 GHz, 256 MB RAM, 2 GB available hard disk space; **Mac:** Mac OS 9 v 9.2, X v 10.1 (and higher), G3 dual processor, 1 GB RAM, 1 GB available hard disk space
Dimensions	
Printer	41.3 x 15.8 x 8.7 in
Maximum	41.3 x 35.4 x 8.7 in
Shipping	47 x 21.5 x 19.5 in
Weight	
Printer	48.5 lb
Shipping	74.8 lb
What's in the box	HP Designjet 100plus printer, power cord, parallel cable (AP), USB cable, printheads (4), ink cartridges (4), input C/A2-size tray, output tray, software setup for Windows users CD, drivers CD for Mac, User Documentation CD, Setup Poster, Quick Start Guide

Environmental ranges

Operating temperature:	41 to 104° F (5 to 40° C)
Recommended operating temperature:	59 to 86° F (15 to 30° C)
Storage temperature:	-4 to 131° F (-20 to 55° C)
Operating humidity:	20 to 80% RH
Recommended humidity:	20 to 80% RH
Storage humidity:	20 to 80% RH

Acoustics

Sound pressure:	50 dB(A)
Sound pressure, standby:	37 dB(A)
Sound power:	6.2 B(A)

Power requirements

Input voltage:	100 to 240 VAC (± 10%), 50/60 Hz (± 3Hz), 2 amp maximum

Power consumption

Maximum:	47.5 watts
Standby:	13.9 watts

Power certification

Safety certifications: ITE product compliance, EU LVD, CSA Certified for US and Canada, Mexico NOM-1-NYCE, Argentina,: IRAM, China CCC, Singapore PSB, Russia: GOST, Poland PCBC, Korea KTL

Electromagnetic compatibility: Compliant with requirements for Class B ITE products (Class A when connected to LAN cables), EU (EMC Directive), USA (FCC rules), Canada (DOC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI), Class A for Korea (MIC), Taiwan (BSMI)

ENERGY STAR® compliant

Warranty One-year warranty

Ordering information

Product number	HP product
C7796C	HP Designjet 100plus
Supplies and accessories	
Q1246A	HP Designjet printer stand & media bin
Ink supplies	
C4810A	HP 11 Black Printhead
C4811A	HP 11 Cyan Printhead
C4812A	HP 11 Magenta Printhead
C4813A	HP 11 Yellow Printhead
C4844A	HP 10 Black Ink Cartridge (69 ml)
C4836AN	HP 11 Cyan Ink Cartridge (28 ml)
C4837AN	HP 11 Magenta Ink Cartridge (28 ml)
C4838AN	HP 11 Yellow Ink Cartridge (28 ml)
Media²	
Q1970A	HP Proofing Gloss, B+, 50 sheets
Q1963A	HP Proofing Gloss, C, 50 sheets
Q1964A	HP Proofing Gloss, D, 50 sheets
C7884A	HP Proofing Semi Gloss, B+, 50 sheets
Q1967A	HP Proofing Paper, Matte, B+, 100 sheets
C6039A	HP Premium Photo Paper, A, 15 sheets
C6979A	HP Premium Photo Paper, A, 50 sheets
C6058A	HP Premium Photo Paper, B, 20 sheets
Q1961A	HP Coated Paper, C, 100 sheets
Q1962A	HP Coated Paper, D, 100 sheets
51634Y	HP Premium Paper, A, 200 sheets
C1855A	HP Premium Paper, B, 100 sheets
C6955A	HP Brochure and Flyer Paper, Matte, A, 50 sheets
C6820A	HP Brochure and Flyer Paper, Glossy, B, 50 sheets
C7007A	HP Everyday Photo Paper, Matte, A, 100 sheets
C7030A	HP Premium Plus Inkjet Transparency Film, A, 20 sheets
Network and software	
J6057A	HP Jetdirect 615n LAN card

² For a complete list of all media that work with the HP Designjet 100plus printer, please take a look at www.hp.com/media.

HP recommends Microsoft® Windows® XP Professional for mobile computing.

For more information visit our website at www.hp.com

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