

HP Designjet T610 Printer series

A trusted choice for demanding professionals

Print your CAD and GIS files in-house with this network-optional HP Designjet. Original HP Vivera inks enable high-quality, professional output at fast speeds. And you can print with confidence knowing you're getting a reliable printer from a company you can trust.



Impressive accuracy and detail

Professional projects with neutral gray, true black and impressive colors.

- **Achieve exacting detail and precise, accurate line quality.** The HP Three-black ink set—including a gray HP Vivera ink—accentuates the detail in your prints. Get improved line accuracy to 0.1%¹ and 0.0423 mm minimum line width, plus excellent horizontal-to-vertical line-width difference.
- **Present your professional best.** HP Vivera inks produce a wide range of colors, from vivid color to soft tones. With the matte black, photo black and gray HP Vivera inks in the Three-black ink set, you'll create more accurate color and true neutral grays even on glossy media. You'll achieve outstanding image quality—including difficult tones like polished-chrome—so your prints have smooth area fills, more depth and more subtle contrasts.

Rest assured

Choose a printer you can count on to deliver results.

- **Keep the color you want from screen to print.** Get the colors you expect on the first print with screen-to-print matching through HP Professional Color Technologies, including enhanced sRGB and Adobe® RGB printing and closed loop color calibration.
- **Connect easily.** Embedded HP-GL/2 supports most CAD and office applications on a wide range of operating systems. HP printer drivers are specially optimized for AutoCAD, providing Windows® ease of use with the performance of HDI. Plus, Macintosh® drivers are standard with every model. Print with confidence, knowing that this HP Designjet supports the next generation of mainstream applications and formats.

Save time

Complete projects quickly and boost personal productivity.

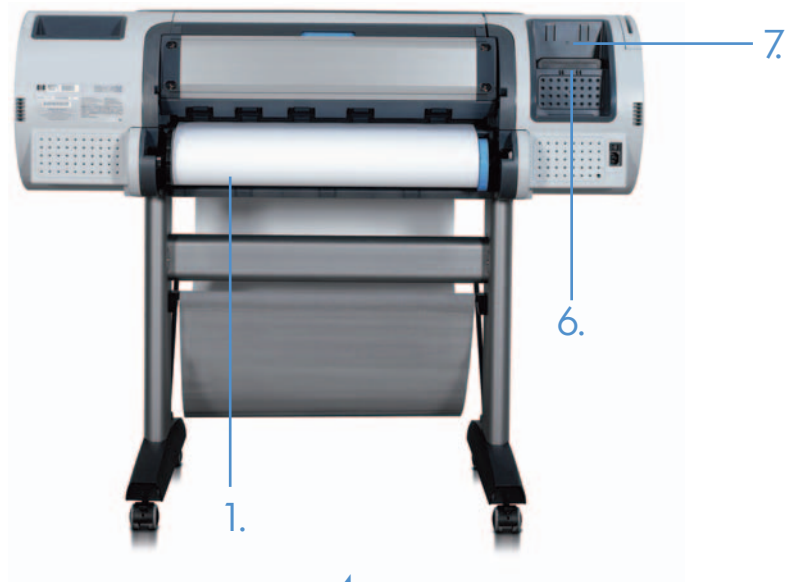
- **Print CAD and GIS projects quickly.** Print a D-size page as fast as 35 seconds². This Designjet's printing system achieves high-speed printing without sacrificing accurate, precise print quality. HP's innovative, Scalable Printing Technology is designed for accurate placement of smaller drops at high speed for consistent results even at fast print speeds.
- **Handle prints right off the printer.** Last-minute changes and real-time revisions are no problem. HP Vivera inks achieve excellent dry times and smudge-resistance on a range of HP media, enabling fast print speeds and producing prints that can be handled right out of the printer.
- **HP Intelligent Supplies.** Take advantage of time-saving features enabled by intelligence built into Original HP printing supplies. You'll find a host of features that save time and minimize interruptions, including continuous adjustments to optimize print quality and reliability for trouble-free printing, and continuous adjustments that maximize printhead life.

¹ +0.1 percent of the specified vector length or +0.1 mm (whichever is greater) at 23°C (73°F), 50-60 percent relative humidity, on E/AO printing material in best or normal mode with HP Matte Film.

² Mechanical printing time on plain media in fast mode with Economode on.

HP Designjet T610 Printer series

1. Roll feed accommodates media rolls up to 300 ft
2. HP Vivera ink supplies up to 130 ml
3. Three long-life printheads featuring HP Scalable Printing Technology
4. Easy-to-reach, intuitive front panel
5. Media stand and bin collect drawings as they print
6. USB connection ensures easy system integration
7. EIO slot accommodates an array of HP Jetdirect options



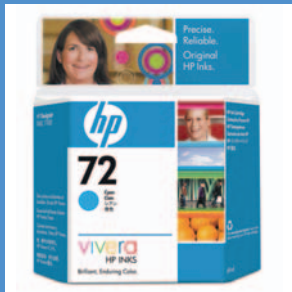
Printer series at a glance

HP Designjet T610 Printer

- Choice of 24- and 44-inch models
- Drivers for Windows and Macintosh
- 128 MB RAM

Options

- Additional spindles for easy media swapping
- Installation service
- Warranty extensions or upgrades
- HP Jetdirect network solutions



HP 72 Printheads

Built with HP Scalable Printing Technology

HP Scalable Printing Technology uses a unique printhead construction that yields faster speeds so you're more productive. Plus, accurate drop placement makes your work look its best, and longer printhead life saves you time and money.

HP 72 Vivera inks

Tested to ensure results

Superior HP engineering isn't just for hardware. Original HP Vivera inks are formulated through a process of rigorous testing. Ink chemists typically design up to 1,000 prototype ink formulations, and all HP inks are subjected to more than 20 tests for purity to prevent problems that degrade image quality. You can be confident that with HP 72 Vivera inks you'll get consistently crisp, clear, accurate lines and vivid color—even true neutral grays—in fast-drying, smudge-resistant prints.

Original HP media

Matched to your job

Print lots of drafts just for review? Choose a jumbo roll of HP Bright White Inkjet Bond Paper. Need to print a really dense map that will be handled often? Try HP Super Heavyweight Plus Matte Paper. Want to make a good impression at your next presentation? HP Self-adhesive Gloss Polypropylene is just what you need for your project boards. Choose from more than 20 Original HP substrates, all designed together with Original HP Vivera inks to bring professional results to your projects, day after day.

HP Services

Here to help

Want to ensure your printer is always available and productive? Check out HP Care Pack Services for installation and multi-year on-site services. Experts are available with technical phone, web and on-site services to make sure you get the most efficient use of your printer. Competitively priced, flexible packages let you select service levels, hours of coverage and response times that meet your needs.

HP Designjet T610 Printer series

Technical specifications

Print speed³	Fast: 35 sec/page on D/A1, 70 D/A1 prints per hour (Economode on), 52 D/A1 prints per hour (Economode off)
Line drawings⁴	
Color images	Fast: 445 f ² /hr (41 m ² /hr) ⁵ Best: 30 f ² /hr (2.8 m ² /hr) ⁶
Print resolution maximum	2400 x 1200 optimized dpi
Memory	128 MB standard memory
Media Handling	Roll feed, sheet feed
Types	Bond and coated paper (bond, coated, heavyweight coated, super heavyweight coated, super heavyweight plus matte, colored), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), backlit material, self-adhesive material (two-view cling, indoor paper, polypropylene, vinyl)
Weight	60 to 328 g/m ²
Size	24-inch models: 8.5- to 24-inch wide sheets, 11- to 24-inch rolls 44-inch models: 8.5- to 44-inch wide sheets, 11- to 44-inch rolls
Thickness	Up to 31.5 mil
Maximum roll length	300 ft/91 m
Printing Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in./5 x 5 x 5 mm (borderless on photo papers) Sheet: 0.2 x 0.67 x 0.2 x 0.2 in./5 x 16.75 x 5 mm
Technology	HP Thermal Inkjet
Ink cartridge colors	Cyan, gray, magenta, matte black, photo black, yellow
Ink types	HP Vivera inks
Ink drop	6 pl (cyan, magenta, photo black, gray), 9 pl (yellow, matte black)
Ink cartridge size	69 ml (photo black, cyan, magenta, yellow, gray) 130 ml (matte black, photo black, cyan, magenta, yellow, gray)
Nozzles	1056 per color
Minimum line width	0.002 in./0.0423 mm
Line accuracy	+/- 0.1% ⁷
Maximum print length	300 ft/91 m (OS and application dependent)
Connectivity	
Interfaces (standard)	One Hi-Speed USB 2.0 certified port, one EIO Jetdirect accessory slot
Interfaces (optional)	HP Jetdirect print servers
Print languages (standard)	HP-GL2/RTL, CALS/G4, HP PCL3GUI
Drivers (included)	HP-GL/2, HPRTL Windows drivers; Optimized Windows driver for AutoCAD 2000 and higher; support for Citrix Metaframe environments; HP PCL3GUI driver for Mac OS X
Environmental ranges	
Operating temperature	41 to 104°F/5 to 40°C
Recommended operating temperature	59 to 95°F/15 to 35°C (depending on paper type)
Storage temperature	-13 to 131°F/-25 to 55°C
Operating humidity	20 to 80% RH
Acoustic	
Sound pressure, active	44 dB(A)
Sound power, active	6.5 B(A)
Sound pressure, standby	29 dB(A)
Sound power, standby	4.4 B(A)
Power consumption	
Maximum	200 watts
Off	0.1 watts
Powersave	27 watts
Power requirements	Input voltage (auto-ranging): 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 Amp max
Certification	
Safety	United States and Canada (CSA certified), EU (LVD and EN60950-1 compliant), Russia (GOST), Singapore (PSB), China (CCC), Argentina (IRAM), Mexico (NYCE)
Electromagnetic	Compliance for Class B products: EU (EMC Directive), United States (FCC Rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCC), Japan (VCCI); Certified as Class A product: Korea (MIC), Taiwan (BSMI)
Environmental	RoHS, WEEE, ENERGY STAR [®] qualified models; see: http://www.hp.com/go/energystar
Warranty	One-year, next business day, on-site warranty
HP Care Pack Services	H4518E HP Onsite Installation with Network Configuration UG750E HP 3-Year Next Business Day Onsite Service UG751E HP 4-Year Next Business Day Onsite Service UG752E HP 5-Year Next Business Day Onsite Service UG876PE HP 1-Year Post-Warranty Next Business Day Service

For more information, visit our website at www.hp.com/go/designjetT610



³ Mechanical printing time.

⁴ Printed on plain media.

⁵ Printed on coated media. Measured on a 44-inch model.

⁶ Printed on glossy media. Measured on a 44-inch model.

⁷ ±0.1 percent of the specified vector length or ±0.1 mm (whichever is greater) at 23° C (73° F), 50–60 percent relative humidity, on E/AO printing material in Best or Normal mode with HP Matte Film.

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Recommended system requirements

Macintosh	Mac OS X v 10.2, Mac OS X v 10.3, Mac OS X v 10.4 or higher; PowerPC G4, G5, or Intel [®] Core Processor; 1 GB RAM; 2 GB available hard disk space
Windows	Windows 2000: Intel Pentium [®] III (733 MHz), 512 MB RAM, 2 GB available hard disk space; Windows XP Home, Windows XP Professional: Intel Pentium 4 (1 GHz), 512 MB RAM, 2 GB available hard disk space

Dimensions (w x d x h)

Printer	24-inch models: 49.7 x 26 x 41.2 in./1262 x 661 x 1047 mm 44-inch models: 69.7 x 26 x 41.2 in./1770 x 661 x 1047 mm
Shipping	24-inch models: 59.9 x 30.7 x 29.1 in./1470 x 780 x 740 mm 44-inch models: 77.3 x 30.7 x 30.7 in./1965 x 780 x 780 mm
Weight	
Printer	24-inch models: 143 lb/65 kg 44-inch models: 189 lb/86 kg
Shipping	24-inch models: 225 lb/102 kg 44-inch models: 271 lb/123 kg

What's in the box

Printer, printheads (3 x 2 colors each), introductory ink cartridges, stand, rear tray, 3-inch spindle adaptor kit, quick reference guide, setup poster, legal document, doc and drivers DVD, Autodesk Design Review CD, customer service guide, USB cable, power cord

Ordering information

Product

Q6711A	HP Designjet T610 24-inch Printer
Q6712A	HP Designjet T610 44-inch Printer

Accessories

Q6700A	HP Designjet Zx100/Tx100/Tx10 24-inch Spindle
Q6709A	HP Designjet Tx100/Tx10 44-inch Spindle
J7934G	HP Jetdirect 620n Fast Ethernet Print Server
J7961G	HP Jetdirect 635n IPv6/IPsec Print Server
J7997G	HP Jetdirect 630n IPv6 Gigabit Print Server

Printheads

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

Ink cartridges

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
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 Gray Ink Cartridge

Media supplies

Q6627A	HP Super Heavyweight Plus Matte Paper 36 in. x 100 ft/914 mm x 30.5 m
Q6628A	HP Super Heavyweight Plus Matte Paper 42 in. x 100 ft/1067 mm x 30.5 m
C6030C	HP Heavyweight Coated Paper 36 in. x 100 ft/914 mm x 30.5 m
C6569C	HP Heavyweight Coated Paper 42 in. x 100 ft/1067 mm x 30.5 m
Q1956A	HP Heavyweight Coated Paper 42 in. x 225 ft/1067 mm x 67.5 m
C6019B	HP Coated Paper 24 in. x 150 ft/610 mm x 45.7 m
C6020B	HP Coated Paper 36 in. x 150 ft/914 mm x 45.7 m
C6980A	HP Coated Paper 36 in. x 300 ft/914 mm x 91.4 m
C6035A	HP Bright White Inkjet Bond Paper 24 in. x 150 ft/610 mm x 45.7 m
C6036A	HP Bright White Inkjet Bond Paper 36 in. x 150 ft/914 mm x 45.7 m
C6810A	HP Bright White Inkjet Bond Paper 36 in. x 300 ft/914 mm x 91.4 m
Q1397A	HP Universal Inkjet Bond Paper 36 in. x 150 ft/914 mm x 45.7 m
C3868A	HP Natural Tracing Paper 36 in. x 150 ft/914 mm x 45.7 m
C3875A	HP Clear Film 36 in. x 75 ft/914 mm x 22.9 m
51642B	HP Matte Film 36 in. x 125 ft/914 mm x 38.1 m
Q1427A	HP Universal High-gloss Photo Paper 36 in. x 100 ft/914 mm x 30.5 m
Q1421A	HP Universal Semi-gloss Photo Paper 36 in. x 100 ft/914 mm x 30.5 m
Q8834A	HP Self-adhesive Gloss Polypropylene 36 in. x 75 ft/914 mm x 22.9 m

More HP media sizes and weights available at www.hp.com/go/designjet/supplies

