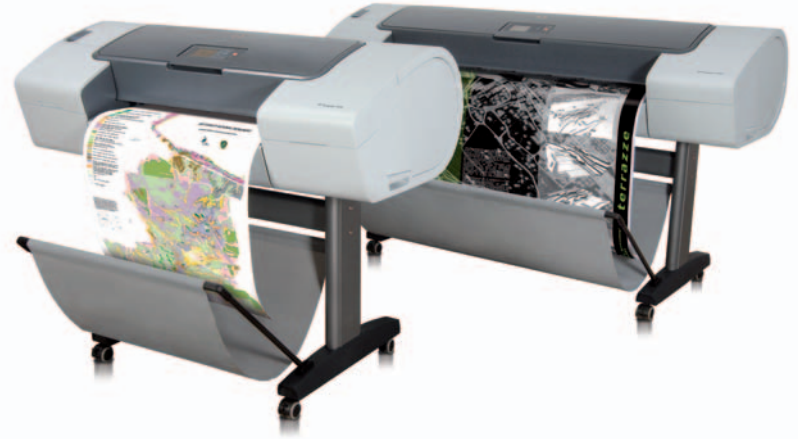


# HP Designjet T610 Printer series

Print your CAD and GIS files in-house with this personal 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%<sup>1</sup> 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 seconds.<sup>3</sup> 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.

<sup>1</sup> +0.1 percent of the specified vector length or +0.1 mm (whichever 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.

<sup>2</sup> This printer can emulate HP Designjet 500 Plus, HP Designjet 800 and HP Designjet 1000 printers.

<sup>3</sup> 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. Four 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



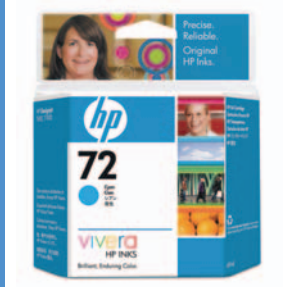
## Printer series at a glance

### 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.

## 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

|  |   |
|--|---|
| <b>Print speed<sup>5</sup></b><br>Line drawings <sup>6</sup> | Fast: 35 sec/page on D/A1, 70 D/A1 prints per hour (Economode on),<br>52 D/A1 prints per hour (Economode off)   |
| Color images   | Fast: 445 f <sup>6</sup> /hr (41 m 2/hr) <sup>7</sup><br>Best: 30 f <sup>6</sup> /hr (2.8 m 2/hr) <sup>8</sup>  |
| <b>Print resolution maximum</b>                              | 2400 x 1200 optimized dpi   |
| <b>Memory</b>  | 128 MB standard memory  |
| <b>Media Handling</b>  | 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, self-adhesive (two-view cling, indoor paper, polypropylene, vinyl) |
| Weight   | 60 to 328 g/m <sup>2</sup>  |
| Size   | <b>24-inch models:</b> 8.5 to 24-inch wide sheets, 11 to 24-inch rolls<br><b>44-inch models:</b> 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   |
| <b>Printing</b>  |   |
| Margins  | Roll: 0.2 x 0.2 x 0.2 x 0.2 in./5 x 5 x 5 mm (borderless on photo papers)<br>Sheet: 0.2 x 0.67 x 0.2 x 0.2 in./5 x 16.75 x 5 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)<br>130 ml (matte black, photo black, cyan, magenta, yellow, gray)  |
| Nozzles  | 1056  |
| Minimum line width   | 0.002 in./0.0423 mm   |
| Line accuracy  | +/- 0.1% <sup>9</sup>   |
| Maximum print length   | 300 ft/91 m (OS and application dependent)  |
| <b>Connectivity</b>  |   |
| 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, HP-RTL Windows drivers; Optimized Windows driver for AutoCAD 2000 and higher; support for Citrix Metaframe environments; HP PCL3GUI driver for Mac OS X  |
| <b>Environmental ranges</b>                                  |   |
| 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  |
| <b>Acoustic</b>  |   |
| 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)  |
| <b>Power consumption</b>                                     |   |
| Maximum  | 200 watts   |
| Off  | 0.1 watts   |
| Powersave  | 27 watts  |
| Power requirements   | Input voltage (autoranging): 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), 2 Amp max ENERGY STAR <sup>®</sup> qualified models; see: <a href="http://www.hp.com/go/energystar">http://www.hp.com/go/energystar</a>   |
| <b>Certification</b>   |   |
| 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)   |
| Warranty   | One-year, next-business-day, on-site warranty   |
| <b>Service and support</b>                                   |   |
| Care packs   | H4518E HP Onsite Network Installation<br>UG750E HP 3-Year Next Business Day Hardware Support<br>UG876PE HP 1-Year Post-Warranty Next Business Day Hardware Support  |

For more information, visit our website at [www.hp.com/go/designjet610](http://www.hp.com/go/designjet610)



<sup>5</sup> Mechanical printing time.

<sup>6</sup> Printed on plain media.

<sup>7</sup> Printed on coated media. Measured on a 44-inch model.

<sup>8</sup> Printed on glossy media. Measured on a 44-inch model.

<sup>9</sup> ±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

|  |  |
|--|--|
| <b>Recommended system requirements</b> |  |
| 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 |
| <b>Dimensions (w x d x h)</b>          |  |
| Printer                                | <b>24-inch models:</b> 49.7 x 26 x 41.2 in./1262 x 661 x 1047 mm<br><b>44-inch models:</b> 69.7 x 26 x 41.2 in./1770 x 661 x 1047 mm   |
| Shipping                               | <b>24-inch models:</b> 65.3 x 30.3 x 29.1 in./1660 x 770 x 740 mm<br><b>44-inch models:</b> 77.3 x 30.7 x 30.7 in./1965 x 780 x 780 mm   |
| <b>Weight</b>                          |  |
| Printer                                | <b>24-inch models:</b> 143 lb/65 kg<br><b>44-inch models:</b> 189 lb/86 kg   |
| Shipping                               | <b>24-inch models:</b> 225 lb/102 kg<br><b>44-inch models:</b> 271 lb/123 kg   |

### What's in the box

Printer, printheads (3 x 2 colors), ink cartridges (5 x 69 ml, 1 x 130 ml), 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

|                       |  |
|-----------------------|--|
| <b>Product</b>        | Q6711A HP Designjet T610 24-inch Printer<br>Q6712A HP Designjet T610 44-inch Printer   |
| <b>Accessories</b>    | Q6700A HP Designjet Zx100/Tx100/Tx10 24-inch Spindle<br>Q6709A HP Designjet Tx100/Tx10 44-inch Spindle<br>J7934G HP JetDirect 620n Fast Ethernet Print Server<br>J7960G HP JetDirect 625n Gigabit Ethernet Print Server<br>J7961G HP JetDirect 635n IPv6/IPsec Print Server<br>J7997G HP JetDirect 630n IPv6 Gigabit Print Server  |
| <b>Printheads</b>     | C9380A HP 72 Gray and Photo Black Printhead<br>C9383A HP 72 Magenta and Cyan Printhead<br>C9384A HP 72 Matte Black and Yellow Printhead  |
| <b>Ink cartridges</b> | C9397A HP 72 69-ml Photo Black Ink Cartridge<br>C9398A HP 72 69-ml Cyan Ink Cartridge<br>C9399A HP 72 69-ml Magenta Ink Cartridge<br>C9400A HP 72 69-ml Yellow Ink Cartridge<br>C9401A HP 72 69-ml Gray Ink Cartridge<br>C9403A HP 72 130-ml Matte Black Ink Cartridge<br>C9370A HP 72 130-ml Photo Black Ink Cartridge<br>C9371A HP 72 130-ml Cyan Ink Cartridge<br>C9372A HP 72 130-ml Magenta Ink Cartridge<br>C9373A HP 72 130-ml Yellow Ink Cartridge<br>C9374A HP 72 130-ml Gray Ink Cartridge   |
| <b>Media supplies</b> | Q6627A HP Super Heavyweight Plus Matte Paper 36 in. x 100 ft/914 mm x 30.5 m<br>Q6628A HP Super Heavyweight Plus Matte Paper 42 in. x 100 ft/1067 mm x 30.5 m<br>C6030C HP Heavyweight Coated Paper 36 in. x 100 ft/914 mm x 30.5 m<br>C6569C HP Heavyweight Coated Paper 42 in. x 100 ft/1067 mm x 30.5 m<br>Q1956A HP Heavyweight Coated Paper 42 in. x 225 ft/1067 mm x 67.5 m<br>C6019B HP Coated Paper 24 in. x 150 ft/610 mm x 45.7 m<br>C6020B HP Coated Paper 36 in. x 150 ft/914 mm x 45.7 m<br>C6980A HP Coated Paper 36 in. x 300 ft/914 mm x 91.4 m<br>C6035A HP Bright White Inkjet Bond Paper 24 in. x 150 ft/610 mm x 45.7 m<br>C6036A HP Bright White Inkjet Bond Paper 36 in. x 150 ft/914 mm x 45.7 m<br>C6810A HP Bright White Inkjet Bond Paper 36 in. x 300 ft/914 mm x 91.4 m<br>Q1397A HP Universal Inkjet Bond Paper 36 in. x 150 ft/914 mm x 45.7 m<br>C3868A HP Natural Tracing Paper 36 in. x 150 ft/914 mm x 45.7 m<br>C3875A HP Clear Film 36 in. x 75 ft/914 mm x 22.9 m<br>51642B HP Matte Film 36 in. x 125 ft/914 mm x 38.1 m<br>Q1427A HP Universal High-gloss Photo Paper 36 in. x 100 ft/914 mm x 30.5 m<br>Q1421A HP Universal Semi-gloss Photo Paper 36 in. x 100 ft/914 mm x 30.5 m<br>Q8834A HP Self Adhesive satin/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](http://www.hp.com/go/designjet/supplies)

