

# HP Designjet 510 Printer series



HP's most affordable standalone printer for small studios, the new HP Designjet 510 Printer series enables you to print large format CAD drawings in-house. Achieve high-impact results quickly and easily with fine line and excellent image quality.



HP Designjet 510  
24-in Printer



HP Designjet 510  
42-in Printer



HP Designjet 510ps  
24-in Printer



HP Designjet 510ps  
42-in Printer

**An ideal choice for technical users (including AEC, MCAD, GIS, and GPP) in workgroups of up to 3 people in small studios, who need an affordable, professional printing solution to produce high quality, large format technical CAD drawings in-house.**

**Conveniently print large-format technical drawings in-house.**

Produce A1-sized line drawings, plans, or schematics on a variety of HP large-format printing materials in as little as 55 seconds. Printing HP-GL/2 and PLT files is fast and easy: HP Instant Printing enables single-click printing of highly detailed drawings and plans. Easily share this large-format Designjet with up to 3 users in a small studio: connectivity options include optional network capability and USB. Delivers complete compatibility with the latest applications and operating systems.

**Enjoy performance you can rely on, with fine line and outstanding image quality.**

Produce results with vibrant, high-impact images which surpass your client's expectations, thanks to this printer's 2400 x 1200 optimised dpi resolution. Consistently achieve high-quality output for technical CAD drawings with sharp detail in colour and black-and-white, and accurate lines as thin as 0.04 mm. Process complex files easily with 160 MB of memory. Confidently print HP-GL/2 and PLT files knowing HP provides top-quality HP-GL/2 support.

**Produce high-quality technical CAD prints in-house, easily and affordably.**

Get high quality and reliability at an affordable price which means you can deliver top quality CAD drawings to your clients while making use of in-house resources. Enjoy cost-effective printing matched to your needs; select 28-ml colour ink cartridges for less-colour intensive projects or choose 69-ml colour and black ink cartridges for your high-volume print jobs. Operation is easy with an intuitive control panel which simplifies user interaction. Reliable HP supplies minimise interruptions.

## Technical specifications

<b>Print technology</b>	HP Thermal Inkjet
<b>Print quality</b>	Up to 2400 x 1200 optimised dpi
<b>Number of inks</b>	Cyan, magenta, yellow, black
<b>Ink types</b>	Dye-based (colour), pigment-based (black)
<b>Ink drop size</b>	4 pl (colour), 18 pl (black)
<b>Print speed</b>	Economic quality: 3.5 min/page on A1 on coated media. Line drawings: 55 sec/page on A1, 31 A1 prints per hour on plain media (increased speed on). Photo quality: 16 min/page on A1 on glossy media
<b>Line</b>	Line accuracy: +/- 0.2 %. Minimum width: 0.07 mm (colour), 0.09 mm (black)
<b>Print languages</b>	HP Designjet 510 Printer: HP-GL/2, HP-RTL, HP PCL 3 GUI HP Designjet 510ps Printer: Adobe® PostScript® 3™, HP-GL/2, HP-RTL, HP PCL 3 GUI
<b>Memory</b>	Standard: 160 MB; maximum: 416 MB, with HP Designjet 256 MB Memory Upgrade
<b>Print margins (mm)</b>	<b>Roll</b> top: 5 mm, bottom: 5 mm, left: 5 mm, right: 5 mm <b>Sheet:</b> 17 mm (top), 5 mm (right), 5 mm (left), 17 mm (bottom)
<b>Media types</b>	Bond and coated, technical, film, photographic, proofing, self-adhesive, banner and sign, canvas
<b>Media sizes</b>	Standard: 610 mm models: 140 x 140 to 610 x 1897 mm sheets, 458 to 610 mm rolls 1067 mm models: 140 x 140 to 1067 x 1897 mm sheets, 458 to 1067 mm rolls
<b>Maximum media length</b>	Roll: 45.7 m. Sheet: 1897 mm
<b>Roll</b>	Maximum diameter: 100 mm
<b>Media handling</b>	Single sheet feed, roll feed, automatic cutter (cuts all media except canvas)
<b>Interface and connectivity</b>	Standard: 1 USB 2.0 compliant port, 1 IEEE-1284-compliant parallel port, 1 EIO Jetdirect accessory slot. Optional: Compatible HP Jetdirect EIO print servers
<b>Drivers included</b>	DJ 510 610 mm and 1067 mm: HP-GL/2, HP-RTL Windows® drivers; optimised Windows® driver for AutoCAD 2000 and higher; HP PCL 3 GUI driver for Mac OS X; DJ 510ps 610 mm and 1067 mm: HP-GL/2, HP-RTL, Windows drivers; optimised Windows® driver for AutoCAD 2000 and higher; HP PCL 3 GUI driver for Mac OS X; PostScript® software RIP for Microsoft® Windows® and Mac
<b>Recommended system requirements</b>	Windows: Windows Vista®, XP®, Server 2003, 2000: Pentium® 4 (1 GHz or higher), 1 GB RAM, 2 GB available hard disk space Macintosh: Mac OS X (10.3, 10.4, 10.5): PowerPC G4, G5, or Intel® Core™ Processor, 1 GB RAM, 2 GB available hard disk space
<b>Power</b>	Requirements: Input voltage (autoranging) 100 to 240 V ac (+/- 10%), 50 to 60 Hz, 3 A maximum. Supply: Internal power supply. Consumption: 150 watts maximum, 17 watts maximum (ready/sleep), 1.5 watts maximum (off)
<b>Dimensions (w x d x h)</b>	Out of package: DJ 510 610 mm: 1253 x 470 x 349 mm; DJ 510 1067 mm: 1690 x 674 x 1100 mm; DJ 510ps 610 mm: 1253 x 470 x 349 mm; DJ 510ps 1067 mm: 1690 x 674 x 1100 mm. Packaged: DJ 510 610 mm: 1540 x 645 x 737 mm; DJ 510 1067 mm: 1975 x 645 x 978 mm; DJ 510ps 610 mm: 1540 x 645 x 737 mm; DJ 510ps 1067 mm: 1975 x 645 x 978 mm
<b>Weight</b>	Out of package: DJ 510 610 mm: 38.7 kg; DJ 510 1067 mm: 45.2 kg; DJ 510ps 610 mm: 38.7 kg; DJ 510ps 1067 mm: 45.2 kg. Packaged: DJ 510 610 mm: 61 kg; DJ 510 1067 mm: 105 kg; DJ 510ps 610 mm: 61 kg; DJ 510ps 1067 mm: 105 kg
<b>Operating environment</b>	Operating temperature: 5 to 40° C. Recommended operating temperature: 15 to 35° C. Operating humidity: 20 to 80% RH. Operating humidity recommended: 20 to 80% RH. Storage temperature: -40 to 60° C. Storage humidity: 0 to 95% RH. Noise level per ISO 9296: sound power: LwAd 6.5 B(A) (active/printing), 4.4 B(A) (standby). Sound pressure: LpAm 52 dB(A)(active), inaudible (powersave)
<b>Certifications</b>	Safety: Compliant with the requirements for ITE products: EU Low Voltage Directive, US and Canada CSA certified, Mexico NOM-1-NYCE, Argentina IRAM, China CCIB and CCEE, Singapore PSB, Russia GOST, Poland PCBC. EMC certifications: Compliant with the requirements for class B ITE products: EU (EMC directive), US (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), China (CCIB), class A for Korea (MIC), Taiwan (BSMI)
<b>Warranty</b>	Standard warranty: one year next business day on-site support.

## Ordering information

**CH336A** HP Designjet 510 610 mm Printer, spindle, printheads (4x 1 colour), introductory ink cartridges (x4), quick reference guide, setup poster, doc and drivers CD, customer service guide, power cord  
**CH337A** HP Designjet 510 1067mm Printer: CH336A in 1067mm plus Stand and Media bin  
**CJ996A** HP Designjet 510ps 610mm Printer: CH336A plus EFI Designer Edition for HP CD  
**CJ997A** HP Designjet 510ps 1067mm Printer: CH337A plus EFI Designer Edition for HP CD

### Accessories

**CH654A** HP Designjet 256 MB Memory Upgrade DIMM  
**Q1246B** HP Designjet 100/500/800 24-in Stand & Bin  
**C2389A** HP 24-inch Spindle  
**C2390A** HP 42-inch Spindle  
**Q6643D** EFI Designer Edition 5.1 RIP for HP (XL) Intl  
**J7988G** HP Jetdirect en1700 IPv4/IPv6 Print Server

### Ink supplies

**C4911A** HP 82 69-ml Cyan Ink Cartridge  
**C4912A** HP 82 69-ml Magenta Ink Cartridge  
**C4913A** HP 82 69-ml Yellow Ink Cartridge  
**CH565A** HP 82 69-ml Black Ink Cartridge  
**CH566A** HP 82 28-ml Cyan Ink Cartridge  
**CH567A** HP 82 28-ml Magenta Ink Cartridge  
**CH568A** HP 82 28-ml Yellow Ink Cartridge

### Media supplies

**Q1396A** HP Universal Inkjet Bond Paper-610 mm x 45.7 m (24 in x 150 ft)  
**C6035A** HP Bright White Inkjet Paper-610 mm x 45.7 m  
**C6029C** HP Heavyweight Coated Paper-610 mm x 30.5 m (24 in x 100 ft)  
**Q1412A** HP Universal Heavyweight Coated Paper-610 mm x 30.5 m (24 in x 100 ft)  
**C6019B** HP Coated Paper-610 mm x 45.7 m (24 in x 150 ft)

### Service & support

**UK900E** HP Care Pack, Next Business Day On Site, 3 years  
**UK901E** HP Care Pack, Next Business Day On Site, 4 years  
**UK902E** HP Care Pack, Next Business Day On Site, 5 years  
**UK908E** HP Care Pack, 4 hour 13x5 Same Business Day On Site, 3 years  
**UK898PE** HP Care Pack, 4 hour 13x5 Post Warranty, Same Business Day On Site, 1 year  
**UK907PE** HP Care Pack, Post Warranty, Next Business Day On Site, 1 year

For a complete list of supplies, accessories and services, please refer to <http://www.hp.com/go/designjet>

<http://www.hp.com/uk> <http://www.hp.com/go/designjet510>



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