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

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

Print technology	HP Thermal Inkjet
Print resolution	Up to 2400 x 1200 optimised dpi
Number of inks	Cyan, magenta, yellow, black
Ink types	Dye-based (colour), pigment-based (black)
Ink drop size	4 pl (colour), 18 pl (black)
Line	Line accuracy: +/- 0.2 %. Minimum width: 0.08 mm (ISO/IEC 13660:2001(E))
Print languages	HP Designjet 510 Printer: HP-GL/2, HP-RTL, HP PCL 3 GUI
Memory	Standard: 160 MB; Maximum: 416 MB, with HP Designjet 256 MB Memory Upgrade
Print margins (mm)	Sheet: 17 mm (top), 5 mm (right), 5 mm (left), 17 mm (bottom)
Media types	Bond and coated, technical, film, photographic, proofing, self-adhesive, banner and sign, canvas
Media sizes	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
Maximum media length	Roll: Unlimited (depends on media thickness). Sheet: 1897 mm
Roll	Maximum diameter: 100 mm
Media handling	Single sheet feed, roll feed, automatic cutter (cuts all media except canvas)
Interface and connectivity	Standard: USB 2.0 compliant port, IEEE-1284-compliant parallel port, EIO Jetdirect accessory slot. Optional: 635n IPv6/IPsec Print Server, ew2400 802.11g Wireless Print Server
Drivers included	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
Operating systems compatibility	Microsoft® Windows 7; Windows Vista®; Windows® XP Home; Windows® XP Professional; Windows® Server 2008; Windows® Server 2003; Mac OS X v 10.4; Mac OS X v 10.5; Mac OS X v 10.6
Minimum system requirements	Microsoft® Windows 7, Windows Vista®, Windows® XP, Windows® Server 2008, Windows® Server 2003: Pentium III (733 MHz), 512 MB RAM, 1 GB available hard disk space. Macintosh Mac OS X (10.4, 10.5): PowerPC G4, G5, or Intel Core Processor, 512 MB RAM, 1 GB available hard disk space
Recommended system requirements	Microsoft® Windows 7, Windows Vista®, Windows® XP, Windows® Server 2008, Windows® Server 2003: Pentium 4 (1 GHz), 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
Power	Requirements: Input voltage (auto ranging) 100 to 240 VAC (+/- 10%), 50/60 Hz, 3 A max. Supply: Internal power supply. Consumption: 150 watts maximum, 17 watts maximum (ready/sleep), 1.5 watts maximum (off)
Dimensions (w x d x h)	Out of package: DJ 510 610 mm: 1253 x 470 x 349 mm; DJ 510 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
Weight	Out of package: DJ 510 610 mm: 38.7 kg; DJ 510 1067 mm: 45.2 kg. Packaged: DJ 510 610 mm: 61 kg; DJ 510 1067 mm: 105 kg
Operating environment	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)
Certifications	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)
Warranty	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

Accessories
CH654A HP Designjet 256 MB Memory Upgrade DIMM
CN532A HP Designjet 5xx/8xx 24-in Stand
Q1246B HP Designjet 1xx/5xx 24-in Stand and Bin
C2389A HP 24-inch Spindle
C2390A HP 42-inch Spindle
Q6643D EFI Designer Edition 5.1 RIP for HP (XL) Intl

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 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, Post Warranty, Next Business Day On Site, 1 year
UK907PE HP Care Pack, 4 hour 13x5 Post Warranty, Same 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