HP Designjet 510 24-in Printer

Print large-format CAD drawings easily and conveniently with HP's most affordable standalone printer.

Assume greater control over CAD printing when you bring it in-house. In addition to this being the most affordable large-format printer from HP, it also delivers fast speeds—up to 56 seconds for a D/A1-sized document—and easy HP-GL/2 direct printing.

Impress clients with a four-color, high resolution (2400 x 1200 optimized dpi) printing system that delivers fine line quality and high accuracy. It's compatible with the latest applications, offers HP-GL/2 support and comes with 160 MB of memory.

HP makes it easy and affordable for small studios to produce high-quality technical CAD prints in-house. Forgo the expense, hassle, and time it takes to outsource large-format prints and start doing it yourself.

🔍 Enlarge Image

Compatible Operating Systems

Standard Desktop

Windows XP	*
Windows Server 2003	*
Windows Server 2008	*
Windows Vista®	*
Windows® 7	*
Mac OS	Mac OS X v 10.4, 10.5, 10.6

Standard Network

Windows® 7	*

Additional Information

Sales	www.designjet.hp.com
	[Data Sheet 4AA2-2640ENW](#)
Technical Support	www.hp.com/support
Third-party solutions	www.hpgsc.com
Reseller	http://hp.com/partners/us
Services	http://www.hp.com/go/services
Supplies and accessories	www.hp.com

Brand Specifications

PRINTER

Print Technology	HP Thermal Inkjet
Print Speed, Draft Quality	2.5 mpp (color image on coated paper, D-size)
Print Speed, Normal Quality	9.5 mpp (color image on glossy paper, D-size)
Print Speed, Best Quality	16 mpp (color image on glossy paper, D-size)

Print Length, Maximum	150 ft
Media Width, Maximum	24 in
Media Handling/Document Finishing	Single sheet feed, roll feed, automatic cutter (cuts all media except canvas)
Print Quality, Black Best	Up to 2400 x 1200 optimized dpi
Print Quality, Color Best	Up to 2400 x 1200 optimized dpi
Print Cartridges	4 (1 each black, cyan, magenta, yellow)
Print Languages, Std	HP-GL/2, HP RTL, HP PCL 3 GUI
Print Languages, Opt	None
Print Cartridge Capacity	69 ml (CMYK) or 28 ml (CMY)
Ink Types	Pigment-based black, dye-based color

GENERAL

Media Types	Bond and coated, technical, film, photographic, proofing, self-adhesive, banner and sign, canvas
Media Sizes, Std	8.3 to 24-in wide sheets; 18 to 24-in rolls
Media Sizes, Custom	8.3 x 8.3 in to 24 x 74.7 in
Connectivity, Std	USB 2.0 compliant, IEEE-1284-compliant parallel, EIO Jetdirect accessory slot
Connectivity, Opt	HP Jetdirect internal, external and wireless print servers
Memory, Std	160 MB
Memory, Max	416 MB
ENERGY STAR® Qualified	Yes
Mac Compatible	Yes
Dimensions (W x D x H)	49 x 19 x 14 in
Weight	85.3 lb
Dimensions, Metric	1253 x 470 x 349 mm
Weight, Metric	38.7 kg
Shipping Dimensions	60.6 x 25.4 x 29 in
Shipping Weight	134 lb
Shipping Dimensions, Metric	1540 x 645 x 737 mm
Shipping Weight, Metric	61 kg

HP Designjet 510 series

Ink cartridge access — LCD — Media center — Front view
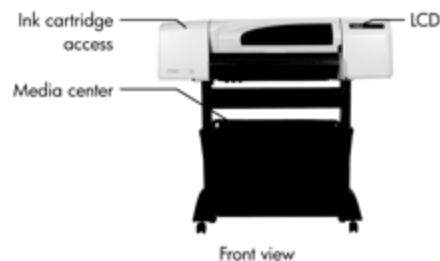
Jetdirect Products

HP Jetdirect ew2400 (J7951G) (Discontinued)
HP Jetdirect 620n (J7934G)
HP Jetdirect 630n (J7997G) (Discontinued)
HP Jetdirect 635n IPv6/IPsec Print Server (J7961G)
HP Jetdirect en1700 (J7988G) (Discontinued)

Accessories

HP Designjet 4500 Scanner
HP Designjet 4500 Scanner (Q1277A) (Discontinued)

HP Designjet 4520 Scanner
HP Designjet 4520 Scanner (CM770A) (Discontinued)

HP Designjet HD Scanner
HP Designjet HD Scanner (CQ654A)

Cables
HP USB Cable (A-B) 5 meter (C2392A)

Memory and mass storage
HP Designjet 256 MB Memory Upgrade (CH654A)

Paper-handling accessories
HP 24-inch Spindle (C2389A)

Paper-handling accessories
HP Designjet 24-inch Stand (CN532A)

Software
Serif PosterDesigner Pro for HP (CN088A) (Discontinued)

Software
EFI Designer Edition 5.1 for HP XL (Q6643D)

Compatible Supplies

HP Ink Supplies
HP 11 Black Printhead (C4810A)
HP 11 Cyan Printhead (C4811A)
HP 11 Magenta Printhead (C4812A)
HP 11 Yellow Printhead (C4813A)
HP 82 69-ml Black Ink Cartridge (CH565A)
HP 82 69-ml Cyan Ink Cartridge (C4911A)
HP 82 69-ml Magenta Ink Cartridge (C4912A)
HP 82 69-ml Yellow Ink Cartridge (C4913A)
HP 82 28-ml Cyan Ink Cartridge (CH566A)
HP 82 28-ml Magenta Ink Cartridge (CH567A)
HP 82 28-ml Yellow Ink Cartridge (CH568A)

Compatible Paper Products

HP Large Format Banner and Sign Material

HP Opaque Scrim

24 in		50 ft	Q8675A

HP Large Format Bond and Coated Paper

HP Bright White Inkjet Paper

24 in	24 lb	150 ft	C1860A

HP Coated Paper

24 in	26 lb	150 ft	C6019B

HP Inkjet Coated Paper

18 x 24 in	26 lb	100 sheets	Q1961A
24 x 36 in	26 lb	100 sheets	Q1962A
18 in	24 lb	150 ft	Q7897A

HP Heavyweight Coated Paper

24 in	35 lb	100 ft	C6029C

HP Recycled Bond Paper

24 in		150 ft	CG889A

HP Universal Coated Paper

24 in	26 lb	150 ft	Q1404A

HP Universal Heavyweight Coated Paper

24 in	32 lb	100 ft	Q1412A

HP Universal Bond Paper

24 in	21 lb	150 ft	Q1396A

HP Large Format Film (Technical and Graphic)

HP Clear Film

24 in		75 ft	C3876A

HP Matte Film

24 in		125 ft	51642A

HP Large Format Photographic Paper

HP Universal High-gloss Photo Paper

24 in		100 ft	Q1426A

HP Universal Instant-dry Gloss Photo Paper

24 in	50.50 lb	100 ft	Q6574A

HP Universal Instant-dry Semi-gloss Photo Paper

24 in	50.50 lb	100 ft	Q6579A

HP Universal Semi-gloss Photo Paper

24 in		100 ft	Q1420A

HP Large Format Self-Adhesive Material

HP Everyday Adhesive Matte Polypropylene

24 in		75 ft	CG843A

HP Large Format Technical Paper

HP Translucent Bond Paper

24 in	18 lb	150 ft	C3860A

HP Vellum Paper

24 in	20 lb	150 ft	C3862A