

HP Designjet 500ps Printer



The HP Designjet 500ps Printer is a professional large format printer at an affordable price, delivering ultimate photo and line quality with continuous tones, smooth transitions and improved colour accuracy¹.



HP Designjet 500ps
24" (610 mm) Printer

Ideal for architects, interior designers and professionals in engineering, construction and mechanical design, working from home or in small offices in workgroups of up to 3 people who need affordable, high quality, large format printing up to A0+ size.

Enjoy ultimate line and photo quality with enhanced colour control at a great price.

- See a difference in quality with lines as thin as 0.04 mm and an accuracy of $\pm 0.2\%$; the result of minuscule drops, automatic alignment and continuous ink flow.
- Visualise your work with photo quality renders using HP Colour Layering Technology and up to 1200 dpi resolution.
- Get accurate reproduction of your colours with the set of HP Professional Color Technologies built-in to the EFI Designer Edition software RIP.
- Enjoy value for money with a low cost of operation and low cost-per-copy.



HP Designjet 500ps
42" (1067 mm) Printer

Get the right colours for your visualisations with the EFI Designer Edition XL RIP developed for HP.

- The improved user interface of the EFI software RIP allows you to manage and process complex visualisation files and perform colour preference settings simultaneously.
- Preview and print your JPEG, TIFF, PDF or Adobe® PostScript® 3™ files using the latest colour management system.
- Cut printing time and costs with improved layout management enabling you to position the printouts efficiently on media.
- Get full support for Mac OS X system.

Free up time with this fast, efficient, easy to use printer which also offers unattended printing.

- Print speeds of up to 90 seconds per A1 line drawing and 7.9 m² of full colour images per hour.
- Three portrait A3+ images (330 x 483 mm) fit side by side¹.
- Easy-to-install drivers are intuitive to use; the control panel is simple to navigate.
- Unattended printing is hassle-free with modular 69 cc ink cartridges, long-life printheads, 45.7 m long media rolls, automatic cutting and stacking of prints in the media bin².
- USB and parallel ports, optional network and HP-GL/2 accessory cards.

¹ The printer comes in two sizes, with a media path that is either 1067 mm (42-inch) or 610 mm (24-inch) wide. Three portrait A3+ images (330 x 483 mm) side by side only available on 42-inch model.

² Stand and media bin are optional on the 610 mm model and standard on the 1067 mm model.



EFI Designer Edition XL RIP

Technical specifications

Print technology	HP Thermal Inkjet												
Technology resolution	HP Color Layering Technology												
Inks	Number of inks: 4 (cyan, magenta, yellow, black) Type: Black: HP pigment ink; cyan, magenta, yellow: HP dye-based ink												
Print speed	<table border="1"> <thead> <tr> <th>Print Mode</th> <th>Fast</th> <th>Normal</th> <th>Best</th> </tr> </thead> <tbody> <tr> <td>A1-size line drawings:</td> <td>90 seconds</td> <td>—</td> <td>—</td> </tr> <tr> <td>Colour images:</td> <td>7.9 m²/hr</td> <td>3.3 m²/hr</td> <td>2 m²/hr</td> </tr> </tbody> </table>	Print Mode	Fast	Normal	Best	A1-size line drawings:	90 seconds	—	—	Colour images:	7.9 m ² /hr	3.3 m ² /hr	2 m ² /hr
Print Mode	Fast	Normal	Best										
A1-size line drawings:	90 seconds	—	—										
Colour images:	7.9 m ² /hr	3.3 m ² /hr	2 m ² /hr										
Print quality	1200 x 600 dpi												
Line accuracy	± 0.2%												
Minimum line width	0.0423 mm												
Memory	Standard: 16 MB RAM; maximum: 160 MB RAM (in combination with the HP-GL/2 accessory card)												
Media types	Bright white inkjet paper (bond), natural tracing paper, clear film, matte film, coated paper, heavyweight coated paper, high-gloss photo paper, semi-gloss photo paper, paper-based semi-gloss, studio canvas, banners with Tyvek, colorfast adhesive vinyl												
Media sizes	Standard: ISO A0 (for 42" model), ISO A1, ISO A2, ISO A3, ISO A4 Custom: HP Designjet 500ps (24-inch) printer: Any custom size, bigger than 210 x 210 mm and smaller than 610 mm x 15.24 m; HP Designjet 500ps (42-inch) printer: Any custom size, bigger than 210 x 210 mm and smaller than 1067 mm x 15.24 m												
Print margins	Lateral: 5 mm, leading and trailing edge: 17 mm												
Maximum media length	Roll: 45.7 m; sheet: 1897 mm												
Maximum media width	42" model: 1067 mm; 24" model: 610 mm												
Maximum print length	15.24 m												
Media handling	Single sheet feed, roll feed, automatic cutter												
Media thickness	Up to 0.5 mm												
Media weight	Up to 195 g/m ²												
Interface and connectivity	Standard: Centronics parallel, IEEE-1284-compliant (ECP), USB (compatible with USB 2.0 specifications), (Microsoft® Windows® 98 SE, Me, 2000, XP and Mac OS X, OS 10.2, 10.3) Optional: HP Jetdirect 620n (EIO) Internal Print Server, HP-GL/2 accessory card												
Operating systems compatibility	Windows® 98, Microsoft® Windows NT® 4.0; Microsoft Windows 2000, XP, Mac OS X, OS 10.2, 10.3, ZehRaster for UNIX												
Minimum system requirements	For use with HP drivers only: Microsoft® Windows® 95, 98, NT 4.0 or 2000, 32 MB RAM, 500 MB free on hard disk, Power Macintosh 8.5, 8.6, 9.0 For use with EFI Designer Edition XL RIP: 800 MHz Pentium® III PC, 256 MB RAM, 10 GB free hard drive, CD-ROM or DVD-ROM, 1 free USB port for copy protection VGA compatible graphic card Macintosh: For use with EFI Designer Edition XL RIP on Mac OS X 10.2.1 and higher: Power Mac G3, G4 or G5, iMac, eMac, PowerBook G3 or G4 or iBook, 256 MB RAM, 1 GB free hard drive, CD-ROM or DVD-ROM, 1 free USB port for copy protection												
Printer languages	Standard: Adobe® PostScript® 3™ (using supplied EFI Designer Edition XL software RIP), HP-PCL3-GUI Optional: HP-GL/2, HP RTL												
Drivers included	Microsoft® Windows® (95, NT 4.0) without USB, Microsoft Windows (98, 2000, XP) with USB, drivers for Macintosh (OS X, OS 10.2, 10.3)												
Software included	EFI Designer Edition XL Adobe® PostScript® 3™ software RIP for Microsoft® and Macintosh operating systems												
Power	Requirements: 100 to 240 AC (±10%) auto-ranging, 50/60 Hz, 3 amps maximum Consumption: 150 watts maximum												
Dimensions (w x d x h)	Out of package: HP Designjet 500ps (24-inch) printer: 1253 x 470 x 349 mm; HP Designjet 500ps (42-inch) printer: 1690 x 674 x 1100 mm												
Weight	Out of package: HP Designjet 500ps (24-inch) printer: 38.5 kg; HP Designjet 500ps (42-inch) printer: 45 kg												
Operating environment	Environmental ranges: Operating temperature: 15 to 35° C, operating humidity: 20 to 80% RH, recommended operating humidity: 15 to 80% RH; recommended operating temperature: 5 to 40° C, storage temperature: -40 to 60° C. Noise level per ISO 9296: sound power: 65 dB(A) (ISO DP 7779), sound pressure: 52 dB(A) (ISO DP 7779)												
Certifications	Compliant with the requirements for Class B ITE products (Class A when connected to LAN cables): EU EMC Directive, USA FCC rules, Canada DOC, Australia ACA, New Zealand MoC, China CCIB, Class A for Korea MIC, Taiwan BSMI Compliant with the requirements for ITE products: EU Low Voltage Directive, USA and Canada CSACertified for US & Canada, Mexico NOM-1-NYCE, Argentina IRAM, China CCIB & CCEE, Singapore PSB, Russia GOST, Poland PCBC. Energy Star®												
Warranty	One-year next business day on-site response												

Ordering information

C7769C	HP Designjet 500ps (24-inch) Printer, spindle, power cord, ink cartridges, printheads, EFI Designer Edition XL software RIP for Macintosh and Microsoft® Windows®, drivers for Microsoft Windows (including AutoCAD), user documentation printer
C7770C	HP Designjet 500ps (42-inch) Printer, as above plus: printer stand, media bin

Accessories

C7772A	HP GL/2 Card for HP Designjet 500 series
C2388A	HP Designjet SIMM 128 MB Memory Module
C2387A	HP Designjet SIMM 64 MB Memory Module
C2389A	HP 24-inch Spindle
C2390A	HP 42-inch Spindle

Media supplies

Q1396A/97A/98A	HP Universal Bond Paper 80 g/m ² (610, 914 and 1067 mm wide roll)
C6035A/36A	HP Bright White Inkjet Paper 90 g/m ² (610, 914 mm wide roll)
Q1404A/05A/06A	HP Universal Coated Paper 95 g/m ² (610, 914 and 1067 mm wide roll)
C6019B/20B, C6567B	HP Coated Paper 90 g/m ² (610, 914 and 1067 mm wide roll)
Q1412A/13A/14A	HP Universal Heavy Coated Paper 120 g/m ² (610, 914 and 1067 mm wide roll)
C6029C/30C, C6569C	HP Heavy Coated Paper 130 g/m ² (610, 914 and 1067 mm wide roll)
Q1420A/21A/22A	HP Universal Semi-gloss Photo Paper 190 g/m ² (610, 914 and 1067 mm wide roll)
Q1426A/27A/28A	HP Universal High-gloss Photo Paper 190 g/m ² (610, 914 and 1067 mm wide roll)
Q6574A/75A/76A	HP Universal Instant-dry Gloss Photo Paper 190 g/m ² (610, 914 and 1067 mm wide roll)
Q6579A/80A/81A	HP Universal Instant-dry Semi-gloss Photo Paper 190 g/m ² (610, 914 and 1067 mm wide roll)

Ink supplies

C4844AE	HP 10 Large Black Ink Cartridge (69 ml)
C4911A	HP 82 Cyan Ink Cartridge (69 ml)
C4912A	HP 82 Magenta Ink Cartridge (69 ml)
C4913A	HP 82 Yellow Ink Cartridge (69 ml)
C4810A	HP 11 Black Printhead
C4811A	HP 11 Cyan Printhead
C4812A	HP 11 Magenta Printhead
C4813A	HP 11 Yellow Printhead

Connectivity

J7934A	HP Jetdirect 620n Internal Print Server
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Service & support

H5652A	HP Care Pack, next business day on-site response, 3 years
H4610PA	HP Care Pack, post warranty, next business day on-site response, 1 year

For a complete list of supplies and accessories, please refer to the HP website at <http://www.hp.com>

<http://www.hp.com> <http://www.hp.com/go/designjet>

For more information, please call your local HP sales office or representative: **Albania:** +49 89 9396 1803; **Algeria:** +213 (0) 61 56 45 43; **Austria:** +43 (0) 810 00 60 80; **Bahrain:** 800 171; **Belgium:** +32 (02) 729 71 11; **Bulgaria:** +359 2 960 19 40; **Bosnia-Herzegovina:** +49 89 9396 1803; **Commonwealth of Independent States (CIS):** +(095) 923 50 01; **Croatia:** +385 1 606 02 00; **Czech Republic:** +420 261 10 81 11; **Denmark:** +45 45 99 10 00; **Egypt:** HP +202 345 13 52 or CPQ +202 792 50 70; **Estonia:** +372 6 813 820; **Finland:** HP Myyntipalvelu 010 217 2700; **France:** +33 (0) 826 800 400; **Germany:** +49 0180 532 62 22; **Greece:** +30 801 11 22 55 47; **HP East Africa,** Authorized Consultant: +254 20 271 6111; **Hungary:** +36 (1) 382 11 11; **Iceland:** +354 (1) 67 10 00; **Ireland:** +353 1 615 82 00; **Israel:** +972 9 830 48 48; **Italy:** Personal computer, Server Intel e periferiche +39 02 92607 330, Server e workstation UNIX, Storage, OpenView +39 02 92607 322; **Kazakhstan & Kyrgyzstan:** +7 327 2 58 43 43; **Latvia:** +371 703 07 00; **Lithuania:** +370 5 2103 300; **Macedonia:** +49 89 9396 1803; **Malta:** +49 89 9396 1803; **Middle East** (Within UAE Toll Free): 800 45 20; **Moldova:** +49 89 9396 1803; **Morocco (African Region):** Call Centre +212 22 40 47 47, HP Sale Office +212 22 97 37 37; **Netherlands:** +31 (30) 222 2000; **Nigeria:** +234 1 26 26 720 / 1; **Norway:** +47 24 09 70 00; **Poland:** 0 801 522 622 and/or 00 48 565 77 00; **Portugal:** +351 (1) 301 73 43; **Romania:** +40 (21) 303 83 00; **RSA:** +0800 11 88 83; **Russia:** +7 095 797 37 97; **Slovenia:** +386 1 230 74 20; **Slovakia:** 0800 147 147; **Saudi Arabia:** +800 897 14 33; **Serbia and Montenegro:** +381 11 201 99 00; **South Africa:** 0800 11 88 83; **Spain:** +34 (91) 631 16 00; **Sweden:** +46 200 27 00 00; **Switzerland:** Pre-sales/product information +41 (0) 848 88 44 66, Spare parts, manuals +41 (0) 848 84 74 64; **Tunisia:** +216 1 89 12 22; **Turkey:** +90 (216) 579 79 00; **UAE** (Toll Free): 800 45 20; **United Kingdom:** HP Teleweb Glasgow +44 (0) 845 270 40 00; **Ukraine:** +380 44 490 61 20.



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