

HP Designjet 4500 Printer series



Maximise productivity with the HP Designjet 4500 Printer series: the ideal colour production system for technical applications, with large input and output capacity for unattended printer operation and high performance scanning/copying capabilities.



HP Designjet 4500 Printer



HP Designjet 4500ps
Printer



HP Designjet 4500 MFP

The ideal modular solution for reprographic departments and print service providers. Also perfect for AEC, MCAD, GIS and retail customers whose workgroups and production departments need to produce high quality large format text, graphics, maps, presentations, renderings, line drawings and short term images like posters and POS.

Experience low costs with unattended production enabled by ample media input and output options.

Large input capacity with 2 rolls, each holding up to 175m long media of different types or sizes, plus fast automatic roll switching. Stacker² has output capacity of up to 200 A0 plots³. High-capacity HP 90 775-ml Black Ink Cartridge, also available in a 3-ink Cartridge Multipack, means fewer interruptions. Get CAD prints with 5 mm margins on all sides. Use Clip Content By Margin feature to output A1 or A0 plots on metric size media. In-line folder for production of folded drawings⁴.

Double the print capacity of your large-format inkjet printer and greatly reduce response times.

Get 2 A1-size colour or black-and-white prints in under 1 minute⁵ with HP Double Swath Technology⁶ Output up to 100 A1-size prints per hour as the embedded processor delivers fast, simultaneous printing and processing of complex jobs. Save time with the driverless multi-file printing workflow that is operating system independent and simply requires a TCP/IP connection and a standard Web browser. Support for TIFF, JPEG, CALS/G4, HP-RTL, HP-GL/2, PDF 1.5, and Adobe® PostScript® 3⁷.

The HP Designjet 4500mfp is an integrated, easy-to-use, print, scan¹ and copy solution.

The HP Designjet 4500mfp's integrated copy system features real-time printer, media and queue information in the scanner user interface. Get outstanding copy and scan performance with a scan speed of 76mm (3") per sec in colour and 254mm (10") per sec in black-and-white, 2 A1-size copy printing in under 1 minute and excellent image quality (508 dpi optical resolution). User-friendly operation with 381 mm (15") touch-screen graphical display. Easy to integrate with 3rd-party scan applications.

¹ Standard only on HP Designjet 4500mfp Printer
Otherwise, sold as a separate accessory

² Sold separately

³ Performance may vary depending on the media used

⁴ Provided by ES-TE Reproservice & Vertriebsgesellschaft mbH (www.es-te.com)

⁵ Top mechanical printer speed; may vary due to printing conditions

⁶ Compared to any HP Designjet 600/700/800/1000 series printer

⁷ Adobe®PostScript® Level 3 and PDF 1.5 available on the HP Designjet 4500ps Printer and 4500mfp only.

Technical specifications

Print technology	HP Thermal Inkjet															
Printhead nozzles	524 (per printhead), 1048 (per colour in Double Swath configured)															
Print quality	Up to 2400 x 1200 dpi															
Colour technology	HP Color Layering technology, HP PhotoREt III															
Number of inks	Black, cyan, magenta, yellow															
Ink types	Black: pigmented, CMY: dye-based															
Ink drop size	5 pl (colour), 15 pl (black)															
Print speed	Economic quality: Up to 100 A1 pages per hour. Printed in Fast mode on HP Bright White Inkjet Paper (bond). Speed indicated is maximum printer speed.															
Line	Line accuracy: +/- 0.1%. Minimum width: 0.075 mm															
Print languages	4500: HP-GL/2, HP-RTL, TIFF, JPEG, CALS-G4; 4500ps: Adobe® PostScript® Level 3, Adobe PDF 1.5, HP-GL/2, HP-RTL, TIF, JPEG, CALS-G4; 4500mfp: Adobe® PostScript® Level 3, Adobe PDF 1.5, HP-GL/2, HP-RTL, TIF, JPEG, CALS-G4															
Memory	Standard : 256 MB 4500: 256 MB; 4500ps: 256 MB; 4500mfp: Printer: 256 MB RAM; Scanner: 1 GB RAM; maximum : 512 MB 4500: 512 MB; 4500ps: 512 MB; 4500mfp: Printer: 512 MB RAM; Scanner: 1 GB RAM; upgradability : 4500: Expandable to 512 MB through a 256 MB Designjet-qualified DIMM; 4500ps: Expandable to 512 MB through a 256 MB Designjet-qualified DIMM; 4500mfp: Printer: expandable to 512 MB through a 256 MB Designjet-qualified DIMM															
Print margins (mm)	<table border="1"> <thead> <tr> <th></th> <th>Roll</th> <th>Sheet</th> </tr> </thead> <tbody> <tr> <td>top:</td> <td>5 mm (small); 11.5 mm (normal); 55 mm (extended)</td> <td></td> </tr> <tr> <td>bottom:</td> <td>5 mm (small & normal); 55 mm (extended)</td> <td></td> </tr> <tr> <td>left:</td> <td>5 mm (small & normal); 15 mm (extended)</td> <td></td> </tr> <tr> <td>right:</td> <td>5 mm (small & normal); 15 mm (extended)</td> <td></td> </tr> </tbody> </table>		Roll	Sheet	top:	5 mm (small); 11.5 mm (normal); 55 mm (extended)		bottom:	5 mm (small & normal); 55 mm (extended)		left:	5 mm (small & normal); 15 mm (extended)		right:	5 mm (small & normal); 15 mm (extended)	
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bottom:	5 mm (small & normal); 55 mm (extended)															
left:	5 mm (small & normal); 15 mm (extended)															
right:	5 mm (small & normal); 15 mm (extended)															
Media types	Paper, film															
Media sizes	Standard: A3, A2, A1, A0 4500: A3, A2, A1, A0; 4500ps: A3, A2, A1, A0; 4500mfp: Printer: A3, A2, A1, A0 (rolls up to 1067 mm wide); Scanner: up to 1118 mm wide media															
Maximum media length	Roll: 175 m															
Maximum media width	1067 mm															
Maximum print length	175 m															
Media thickness	Up to 0.4 mm															
Recommended media weight	50 to 328 g/m ²															
Roll	Maximum diameter: 180 mm															
Media handling	Two rolls, automatic roll-switching, automatic cutter, optional stacker, optional automatic inline folding device															
Scan	Optical resolution: Up to 508 dpi Enhanced resolution: black and white Up to 2400 dpi Bit-depth: 24-bit color and 8-bit grayscale Scan speed: Color (200 dpi): 76 mm (3") per second; Black-and-white (200 dpi): 254 mm (10") per second. File formats: TIFF, JPEG, PDF (24 bits); TIFF, JPEG, PDF (8 bits); TIFF, CALS G4 (1 bit) Maximum scan size: 1067 mm x limited by HDD and file type															
Copy	Copy resolution: colour text and graphics: 300 x 300 dpi, colour text and graphics: 300 x 300 dpi Reduce/enlarge: 1 to 10000%. Maximum copies: Up to 99 Copy settings: Type of original image crop and align preview, best/normal/fast copy quality, enlarge/reduce, lightness, mirror copy, nesting, paneling, saturation and RGB controls, sharpen/blur, tiling															
Interface and connectivity	Standard: Fast Ethernet (10/100 Mbps), FireWire (IEEE-1394a compliant), EIO slot. Optional: HP Jetdirect 40d Gigabit Print Server, High Speed USB 2.0 card, HP Jetdirect 620n LAN Card															
Control panel	Illuminated, graphical LCD display area; 8 front-panel buttons (Back, Cancel, Down arrow, Form Feed and Cut, Power, Reset, Select, Up arrow); 2 LEDs (Power, Status); On/Off buzzer															
Printer management	HP Embedded Web Server															
Drivers included	HP-GL/2, HP-RTL Windows® drivers, PS Windows drivers, ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix MetaFrame environments, PS driver for Mac OS X v 10.2.8, 10.3, 10.4															
Software	HP Designjet software for Windows® and Macintosh															
Operating systems compatibility	Windows® NT 4.0 Workstation, NT 4.0 Server, 98 SE, 2000, Me, XP Home, XP Professional, Server 2003; Mac OS X v 10.2.8, 10.3, 10.4. Latest driver upgrade information available on http://www.designjet.hp.com															
Network operating systems compatibility	Windows® NT 4.0 Workstation, NT 4.0 Server, 98, 2000, Me, XP, Server 2003, Mac OS X v 10.2.8, 10.3, 10.4, Citrix MetaFrame															
Minimum system requirements	Windows® NT 4.0: Pentium® II 300 MHz, 64 MB RAM, 400 MB available hard disk space; Windows 98 SE, Me: Pentium 133 MHz, 48 MB RAM, 300 MB available hard disk space; Windows 2000, 2003 Server: Pentium II 300 MHz, 128 MB RAM, 400 MB available hard disk space; Windows XP: Pentium III 733 MHz, 128 MB RAM, 400 MB available hard disk space. G3, G4, G5; 128 MB RAM; 256 MB available hard disk space; Mac OS X v 10.2.8, 10.3, 10.4															
Recommended system requirements	Windows® NT 4.0: Pentium® III 733 MHz, 128 MB RAM, 2 GB available hard disk space; Windows 98 SE, Me: Pentium 133 MHz, 64 MB RAM, 320 MB available hard disk space; Windows 2000, 2003 Server: Pentium III 733 MHz, 256 MB RAM, 2 GB available hard disk space; Windows XP: Pentium IV 1 GHz, 256 MB RAM, 2 GB available hard disk space. Mac OS X v 10.2.8, 10.3, 10.4: 1 GHz PowerPC G4, 256 MB, 512 MB available hard disk space															
Power	Requirements: Input voltage: 100 to 127 VAC (+/- 10%), 6 amp; 220 to 240 VAC (+/- 10%), 3 amp; 50/60 Hz (+/- 3 Hz); auto range. Supply: Internal built-in universal power supply. Consumption: 1 watt maximum (off), 500 watts maximum (active)															
Dimensions (w x d x h)	Out of package: 1930 x 800 x 1350 mm 4500: 1930 x 800 x 1350 mm; 4500ps: 1930 x 800 x 1350 mm; 4500mfp: Printer: 930 x 800 x 1350 mm; Scanner: 1800 x 850 x 380 mm. Packaged: 2130 x 775 x 1320 mm 4500: 2130 x 775 x 1320 mm; 4500ps: 2130 x 775 x 1320 mm; 4500mfp: Printer: 2130 x 775 x 1320 mm; scanner: 1910 x 690 x 730 mm															
Weight	Out of package: 185 kg 4500: 185 kg; 4500ps: 185 kg; 4500mfp: Printer: 185 kg; scanner: 95 kg. Packaged: 227.3 kg 4500: 227.3 kg; 4500ps: 227.3 kg; 4500mfp: Printer: 227.3 kg; scanner: 76 kg															
Operating environment	Operating temperature: 5 to 40° C. Recommended operating temperature: 15 to 30° C. Operating humidity: 20 to 80% RH. Operating humidity recommended: 25 to 75% RH. Storage temperature: -20 to 55° C. Storage humidity: 0 to 95% RH. Noise level per ISO 9296: sound power: LwAd 6.3 B(A). Sound pressure: LpAm 46 dB(A)															
Certifications	Safety: Compliant with IEC 60950, including EU LVD and EN60950, CSA-certified for US and Canada, Mexico NYCE, Argentina IRAM, Singapore PSB, Russia VNIIS, NEMKO, China CCC, Taiwan BSMI. EMC certifications: Compliant with Class A requirements, including EU (EMC Directive), US (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), Japan (VCCI), Korea (MIC), Taiwan (BSMI)															
Warranty	Two-year, next-business-day on-site warranty															

Ordering information

Q1271A HP Designjet 4500 Printer, stand and bin, setup poster, user's documentation CD, software set up for Windows® and Mac CD, quick reference guide and holder, media sample, maintenance kit, power cord, spindle adaptor (3-in), printheads (8), printhead cleaners (8), ink cartridges (4), customer service guide

Q1272A

HP Designjet 4500ps Printer as Q1271A plus direct printing of Adobe® PostScript® Level 3, Adobe® PDF 1.5

Q1276A

HP Designjet 4500 MFP as Q1272A plus HP Designjet 4500 Scanner

Accessories

Q5673A HP Designjet 256 MB Memory Upgrade

Q5679A HP Jetdirect 40d Gigabit Print Server for the HP Designjet 4000 series

Q5676A HP Designjet 4500 42 inch Roll Feed Spindle

Q5677A HP Designjet 4500 Stacker

Q5680A HP Designjet High Speed USB 2.0 Card

Ink supplies

C5054A HP 90 Black Printhead and Printhead Cleaner

C5055A HP 90 Cyan Printhead and Printhead Cleaner

C5056A HP 90 Magenta Printhead and Printhead Cleaner

C5057A HP 90 Yellow Printhead and Printhead Cleaner

C5059A HP 90 775 ml Black Ink Cartridge

C5061A HP 90 400 ml Cyan Ink Cartridge

C5063A HP 90 400 ml Magenta Ink Cartridge

C5065A HP 90 400 ml Yellow Ink Cartridge

Service & support

UD631A/E HP Care Pack, Next Business Day On Site, 3 years

UD637A/E HP Care Pack, 13x5 Same Business Day On Site in 4 hours, 3 years

UD640PA/PE HP Care Pack, Post warranty, Next Business Day On Site, 1 year

UD642PA/PE HP Care Pack, Post warranty, 13x5 Same Business Day On Site in 4 hours, 1 year

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

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