

# 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. Stacker<sup>2</sup> has output capacity of up to 200 A0 plots<sup>3</sup>. 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 drawings<sup>4</sup>.

**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 minute<sup>5</sup> with HP Double Swath Technology<sup>6</sup>. 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® 3<sup>7</sup>.

**The HP Designjet 4500mfp is an integrated, easy-to-use, print, scan<sup>1</sup> 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.

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

<sup>2</sup> Sold separately

<sup>3</sup> Performance may vary depending on the media used

<sup>4</sup> Provided by ES-TE Reproservice & Vertriebsgesellschaft mbH ([www.es-te.com](http://www.es-te.com))

<sup>5</sup> Top mechanical printer speed; may vary due to printing conditions

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

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

## Technical specifications

<b>Print technology</b>	HP Thermal Inkjet	
<b>Printhead nozzles</b>	524 (per printhead), 1048 (per colour in Double Swath configured)	
<b>Print quality</b>	Up to 2400 x 1200 dpi	
<b>Colour technology</b>	HP Color Layering technology, HP PhotoREt III	
<b>Number of inks</b>	Black, cyan, magenta, yellow	
<b>Ink types</b>	Black: pigmented, CMY: dye-based	
<b>Ink drop size</b>	5 pl (colour), 15 pl (black)	
<b>Print speed</b>	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.	
<b>Line</b>	Line accuracy: +/- 0.1%. Minimum width: 0.075 mm	
<b>Print languages</b>	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	
<b>Memory</b>	Standard : 256 MB4500: 256 MB; 4500ps: 256 MB; 4500mfp: Printer: 256 MB RAM; Scanner: 1 GB RAM; maximum : 512 MB4500: 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	
<b>Print margins (mm)</b>	<b>Roll</b>	<b>Sheet</b>
	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)
<b>Media types</b>	Paper, film	
<b>Media sizes</b>	Standard: A3, A2, A1, A04500: 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	
<b>Maximum media length</b>	Roll: 175 m	
<b>Maximum media width</b>	1067 mm	
<b>Maximum print length</b>	175 m	
<b>Media thickness</b>	Up to 0.4 mm	
<b>Recommended media weight</b>	50 to 328 g/m2	
<b>Roll</b>	Maximum diameter: 180 mm	
<b>Media handling</b>	Two rolls, automatic roll-switching, automatic cutter, optional stacker, optional automatic inline folding device	
<b>Scan</b>	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	
<b>Copy</b>	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	
<b>Interface and connectivity</b>	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	
<b>Control panel</b>	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	
<b>Printer management</b>	HP Embedded Web Server	
<b>Drivers included</b>	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	
<b>Software</b>	HP Designjet software for Windows® and Macintosh	
<b>Operating systems compatibility</b>	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 <a href="http://www.designjet.hp.com">http://www.designjet.hp.com</a>	
<b>Network operating systems compatibility</b>	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	
<b>Minimum system requirements</b>	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	
<b>Recommended system requirements</b>	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	
<b>Power</b>	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)	
<b>Dimensions (w x d x h)</b>	Out of package: 1930 x 800 x 1350 mm4500: 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 mm4500: 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	
<b>Weight</b>	Out of package: 185 kg4500: 185 kg; 4500ps: 185 kg; 4500mfp: Printer: 185 kg; scanner: 95 kg. Packaged: 227.3 kg4500: 227.3 kg; 4500ps: 227.3 kg; 4500mfp: Printer: 227.3 kg; scanner: 76 kg	
<b>Operating environment</b>	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)	
<b>Certifications</b>	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)	
<b>Warranty</b>	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>

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



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