

HP Designjet 4500mfp



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 4500mfp

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 381mm (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 GmbH (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® 3 and PDF 1.5 available on the HP Designjet 4500ps Printer and 4500mfp only.

Technical specifications

Print technology	HP Thermal Inkjet										
Print quality	Up to 2400 x 1200 optimized dpi and 1200 x 1200 input 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	Adobe® PostScript® 3, Adobe PDF 1.5, HP-GL/2, HP-RTL, TIF, JPEG, CALS G4										
Memory	Standard: Printer: 256 MB RAM; Scanner: 1 GB RAM; Maximum: Printer: 512 MB RAM; Scanner: 1 GB RAM; Upgradability: Printer: expandable to 512 MB through a 256 MB Designjet-qualified DIMM. Hard disk: Printer: standard, 40 GB; scanner: standard, 40 GB. 40 GB Hard disk drive										
Print margins (mm)	<table border="1"> <thead> <tr> <th></th> <th>Roll</th> </tr> </thead> <tbody> <tr> <td>top:</td> <td>5 mm (small); 11.5 mm (normal); 55 mm (extended)</td> </tr> <tr> <td>bottom:</td> <td>5 mm (small & normal); 55 mm (extended)</td> </tr> <tr> <td>left:</td> <td>5 mm (small & normal); 15 mm (extended)</td> </tr> <tr> <td>right:</td> <td>5 mm (small & normal); 15 mm (extended)</td> </tr> </tbody> </table>		Roll	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)
	Roll										
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)										
Media types	Printer: Paper (plain, inkjet, coated, heavyweight coated, super heavyweight coated, semi-gloss, glossy, natural tracing, photo), film; Scanner: Non-abrasive paper, vellum, Mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard (no plywood, stone plates, metal plates or abrasive dirty, rough, sharp edged, metal clamped, burned surfaces)										
Media sizes	Standard: 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	Printer: all paper paths: up to 0.4 mm; Scanner up to 15 mm										
Recommended media weight	Printer: 50 to 328 g/m ² ; Scanner: at least 0.08 mm thick										
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	Optional: HP Jetdirect 620n Fast Ethernet Print Server, HP Jetdirect 40d Gigabit Print Server, HP Designjet High Speed USB 2.0 Card										
Printer management	HP Embedded Web Server										
Drivers included	HP-GL/2, HP-RTL Windows® drivers, PS Windows drivers, support for AutoCAD 200x, PS driver for Mac OS X v 10.2.8, 10.3, 10.4										
Recommended system requirements	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: Printer: Input voltage 100 to 127 V ac (+/- 10%), 6 amp; 220 to 240 V ac (+/- 10%), 3 amp; 50/60 Hz (+/- 3 Hz), auto range; scanner: 100 to 240 V ac (+/- 10%), auto range, 50/60 Hz, 5 amp maximum. Supply: Internal built-in universal power supply. Consumption: Less than 1 watt (off); 800 watts maximum (active)										
Dimensions (w x d x h)	Out of package: Printer: 1930 x 800 x 1350 mm; Scanner: 1800 x 850 x 1380 mm. Packaged: Printer: 2130 x 775 x 1320 mm; scanner: 1910 x 690 x 730 mm										
Weight	Out of package: Printer: 185 kg; scanner: 92.5 kg. Packaged: Printer: 227.3 kg; scanner: 143.5 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

Q1276A HP Designjet 4500 Printer, stand and basket assembly, roll module, setup poster, documentation and drivers CD, Quick Reference Guide and holder, media sample, maintenance kit, power cord, 3-in spindle adaptor (4), printheads (8), printhead cleaners (8), ink cartridges (4), ink cartridge insert, ink printhead insert, customer service guide, HP Designjet 4500 Scanner, scanner stand, touchscreen (panel PC), keyboard, power cables, FireWire cables (2), media guides (2), maintenance sheet, system recovery DVD, maintenance kit, plastic dust cover, scanner setup poster, scanner quick reference guide

Accessories

Q5673A HP Designjet 256 MB Memory Upgrade
Q5679A HP Jetdirect 40d Gigabit Print Server
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>



Brilliant, Enduring Colours

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