

HP Designjet 4500 Scanner



Streamline workflow and improve productivity by bringing large-format, colour scanning in-house to complement your current large-format printing capability. Use the included software to integrate the scanner into your existing production environment.

Enable powerful colour copy/scan functions in-house

- **Outstanding scan performance increases efficiency.** With scan speeds up to 76 mm/3 inches per second colour and 253 mm/10 inches per second black and white, the HP Designjet 4500 Scanner delivers outstanding copy and scan performance and increases efficiency. The output basket will accept scanned originals for fast and easy operation during a high-volume batch-scanning job. Scan, then save, print or copy and move on to the next task without ever leaving your HP system.
- **High processing speed makes short work of large files.** The HP Designjet 4500 Scanner comes standard with an embedded Windows XP operating system and an Intel Pentium IV processor. The 2.6Ghz processing speed, 1 GB memory, and 30 GB hard disk drive enable faster scan and copy performance.
- **Powerful scan resolution creates high-quality images with realistic colours and precise lines.** Use the HP Designjet 4500 Scanner to create scans that have a level of detail that is comparable to the originals. With a resolution of 508 dpi optical and 2400 ppi enhanced from three cameras, and a 0.1 percent line accuracy, your scanned files are indistinguishable from new output, and reproduce the original documents precisely. The monochrome Dual 2D-Adaptive enhancement technology produces clean and crisp scans even from poor-quality originals.
- **Produce large-format colour and black-and-white scans from wide or thick, rigid originals.** Add scanning functionality to produce electronic files and hard copies of colour and black-and-white documents. The scanner accepts originals up to 1092 mm/43 inches wide and 15.2 mm/0.6 inches thick, so you can handle oversized and heavyweight originals even those mounted on foam board. The 1067 mm/42 inches scan area captures wide-format images for easy printing, copying, and saving. The scanner does not limit scan length.

Create an integrated HP scan-copy-print system

- **Closed-loop colour calibration gives you consistent, vibrant, natural colour reproduction.** Every scan, copy, and print contains the same vivid colours as the original document. The closed-loop calibration ensures that colour reproduction is consistent and true-to-life. The HP Designjet 4500 printer series offers vivid colours that match or even perfect the hues and tones of the original. Use the predefined profiles for most commonly used media, or create and store custom profiles.

- **Integration with the printer enables excellent ease of use, copy quality, and performance¹.** The Designjet 4500 Scanner's integrated copy system features realtime printer, media, and queue information in the scanner user interface, copy accounting in the printer, and copy job priority capability.
- **Preconfigured drivers and network connectivity integrate your entire HP production system.** With the HP Designjet 4500 Scanner, you don't have to worry about device compatibility. The preconfigured drivers and built-in network connectivity make it easy to add this scanner to your HP Designjet 5000/5500 series, 4000/4500 series, 1000 series, and 500/800 series products. Eliminate user retraining by including this scanner in your HP design-and-production solution.

Scan, copy, and print at the touch of a button

- **Use the touch-screen graphical display for easy, intuitive operation.** Even untrained users can produce great copy and scan results from the intuitive, 381mm/15inches, touch-screen display. The graphical interface walks the user through the appropriate procedure to produce the type of document or file that you need. Rather than mixing different brands, simply add the HP Designjet 4500 Scanner to the HP Designjet products that you already know and trust.
- **Use advanced copy features to streamline your job.** The advanced copy functions of the HP Designjet 4500 printer series help you make copies quickly and easily. Skew is never a problem when you use the auto-alignment option to load and preview your original. Enlarge or reduce images and adjust margins to create the ideal image. Use the nesting option to save media, and make large enlargements easily with the paneling option. You can also track your output by using the integrated accounting features.
- **Seamless network connectivity, including a built-in keyboard for easy access.** The HP Designjet 4500 Scanner fits seamlessly into your production setup and your network. Using state-of-the-art 10/100Base-T networking and TCP/IP protocols, you can communicate across a network on the keyboard that comes standard with this stand-alone or add-on scanner.



¹ Integration feature compatible with HP Designjet 4000/4500 printer series only.

HP Designjet 4500 Scanner

1. The built-in scanner accepts originals up to 1092 mm/43 inches wide and 15 mm/0.6 inches thick.
2. Scan resolution of 508 dpi optical and 2400 ppi enhanced.
3. Scan speed up to 76 mm/3 inches per second colour and 254 mm/10 inches per second black and white.
4. Intuitive, 381 mm/15-inch, touch-screen display with graphical interface.
5. Includes Read/Write DVD-ROM to save scanned documents on DVDs and CDs.
6. 2.6 Ghz processing speed, 1 GB memory, and 30 GB hard disk drive for faster scan and copy performance.



HP Designjet 4500 Scanner shown

HP Designjet 4500 Scanner at a glance

HP Designjet 4500 Scanner

- 1067 mm/42 inches scan area
- Accepts originals up to 15.2 mm/0.6 inches thick
- 508 dpi optical and 2400 ppi enhanced scan resolution
- 76 mm/3 inches per second colour and 254 mm/10 inches per second black and white scan speed
- 2.6Ghz processing speed, 1 GB memory, and 30 GB hard disk drive

Optional service and support

- HP Installation Service (1 unit)
- HP Network Installation Service (1 unit)
- HP Next Business Day Onsite Hardware Support, 3 years
- HP 4 hour response 9 x 5 Onsite Hardware Support, 3 years
- HP 4 hour response 13 x 5 Onsite Hardware Support—onsite in 4 hours, 3 years
- HP Next Business Day Onsite Hardware Support, 1 year post warranty
- HP 4 hour response 9 x 5 Same-Day Onsite Hardware Support, 1 year post warranty

Scanner

Superior technology for superior results

- Three digital cameras scan at a resolution of up to 508 ppi optical and 2400 enhanced, with 0.1 percent line accuracy
- Full, vivid colour with 24-bit colour and 8-bit graytone
- High-speed, 200-dpi colour scanning at 76mm/3 inches per second and 200-dpi monochrome scanning at 254mm/10 inches per second
- Scan media up to 1092mm/43 inches wide and up to 15.2mm/0.6 inches thick, for handling oversized, heavyweight originals-even cardboard
- Monochrome Dual 2D-Adaptive enhancement technology produces clean, crisp scans even from poor quality originals.

Software

Complete functionality and control

- Preview your image for a high quality, precision job
- Copy, enlarge, reduce, or adjust colors and settings, for perfecting even your originals
- Scan to file, DVD/CD, or network in the most common file formats, including .pdf, .tif, .jpeg, and CALSG4
- Print your scanned jobs in unattended batches with the prints-list feature
- Print locally or print through the network to HP Designjet 500, 800, 1000, 4000/4500, or 5000/5500 printer series
- Use the nesting option to save media
- Make enlargements easily with the paneling option
- Track your output using the integrated accounting features

Touchscreen PC

Convenient, easy-to-use interface

- Touchscreen running embedded Microsoft XP
- Intel Pentium 4 processor 2.6 Ghz and 30 GB of memory for scanned jobs
- Floppy disk, PCMCIA slots, and additional USB port
- Small keyboard included for easy data entry and network access
- DVD/CD reader/writer included for efficiency and versatility
- Fast network connection (TCP/IP)

Printer

Professional performance for high quality prints and copies

- Supports printing to HP Designjet 500, 800, 1000, 4000/4500, or 5000/5500 printer series
- View printer, job, status, media and accounting information
- Copy job priority
- HP Smart Printing supplies produce excellent quality printing everytime
- Replace only the ink supplies you need modular individually replaceable supplies are cost effective and maintenance free
- A complete selection of HP basic and premium printing materials provides the look and feel you need for your application

Support & service

One-stop support & service

- One-year onsite warranty
- Additional support options include physical installation with or without network configuration, three-year warranty extension, and a oneyear post warranty
- 24-hour online support via www.designjet.hp.com provides troubleshooting tips, driver downloads, user forums, and documentation
- Toll-free phone support with product experts

Compatible HP Printer series



HP Designjet 500



HP Designjet 800



HP Designjet 1000



HP Designjet 4000



HP Designjet 4500



HP Designjet 5000/5500

Technical specifications

Scanning	Colour (200 dpi) 78 mm/sec (3 inches/sec); black-and-white (200 dpi) 254 mm/sec (10 inches/sec)		
Speed			
Resolution	Best mode	Draft mode	Normal mode
	Black & white 300 x 300 dpi	150 x 150 dpi	200 x 200 dpi
	Colour 300 x 300 dpi	150 x 150 dpi	200 x 200 dpi
	Enhanced mode Black & white 2400 x 2400 dpi with variable resolution settings from 50 dpi in increment of 1 dpi		
Maximum scan width	1067 mm/42 inches		
Maximum scan thickness	15 mm/0.6 inches		
Media Handling	Straight-through scan paper path for sheet and cardboard originals, output basket		
Types	Non-abrasive paper, vellum, mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard, no plywood, no stone plates, no metal plates nor abrasive dirty, rough, sharp edged, metal clamped, burned surfaces		
Weight	At least 0.08 mm/0.003 inches thick		
Memory	1 GB		
Connectivity			
Processor	2.6 GHz		
Processor type	Intel Pentium 4		
Network operating systems	Windows 95, NT 4.0, 98, 2000, XP Home, XP Professional; IBM OS/2 WARP v 3.0, 4.0; HP-LUX v 10.X, 11.X; Sun Solaris 2.5X, 2.6; IBM AIX v 3.2.5 and later; MPE-IX v 5.5; Mac OS 9.X, OS X		
Interfaces	1 Fast Ethernet		
Drivers	HP Macroinstaller with Windows drivers for HP Designjet 500, 800, 1000, 5000, 4000 and 4500 printer series		
Dimensions (h x d x w)			
Maximum	1800 x 1020 x 1380 mm/70.8 x 40.2 x 54.3 inches		
Shipping	1910 x 690 x 730 mm/75.2 x 27.2 x 28.7 inches		
Weight			
Scanner	95 kg/209.5 lb		
Shipping	146 kg/321.9 lb		
What's in the box	HP Designjet 4500 Scanner, Stand and basket assembly, Touch Screen (Panel PC), Keyboard, Power cables, FireWire cables (X2), Media guides (X2), Maintenance sheet, System recovery DVD, Maintenance kit, Plastic dust cover, Scanner Setup Poster, Scanner Quick Reference Guide, Customer Service Guide		
Environmental ranges			
Operating temperature	18 to 32° C/64 to 90° F		
Recommended operating temperature	15 to 30° C/59 to 86° F		
Storage temperature	-20 to 55° C/-4 to 131° F		
Operating humidity	20 to 80% RH		
Recommended humidity	25 to 75% RH		
Acoustic			
Sound pressure, active	46 dB(A)		
Sound pressure, standby	41 dB(A)		
Sound power, active	6.3 B(A)		
Sound power, standby	5.8 B(A)		
Power consumption			
Active	300 watts maximum		
Off	3.5 watts		
Power requirements	100 to 240 VAC (+/- 10%), auto range, 50/60 Hz, 5 amp maximum		
Power certification			
Safety certification	Compliant with IEC 60950, including EU LVD and EN60950, UL certified for US and Canada, Mexico NYCE, Argentina IRAM, Singapore PSB, Russia VNIIS, Demko, China CCC, Taiwan BSMI		
Electromagnetic compatibility	Compliant with the requirements for Class A ITE products: EU (EMC Directive), USA (FCC, DoC), Canada (DoC), Australia (ACA), New Zealand (MoC), Japan (VCCI), Taiwan (BSMI), China (CCC)		
Energy Star compliant	No		
Warranty	One-year, next-business-day, on-site. Warranty varies according to country. Please check with your local Hewlett-Packard sales office or your nearest authorised dealer for details		

Ordering information

Product numbers	
Q1277A	HP Designjet 4500 Scanner
Supported Printers	
Q1271A	HP Designjet 4500 Printer
Q1272A	HP Designjet 4500ps Printer
Q1273A	HP Designjet 4000 Printer
Q1274A	HP Designjet 4000ps Printer
Q1254A	HP Designjet 5500ps Printer (60-inch)
Q1252A	HP Designjet 5500ps Printer (42-inch)
Q1253A	HP Designjet 5500 Printer (60-inch)
Q1251A	HP Designjet 5500 Printer (42-inch)
C6074B	HP Designjet 1050c Plus Printer (36-inch)
C6075B	HP Designjet 1055cm Plus Printer (36-inch)
C7780C	HP Designjet 800ps Printer (42-inch)
C7779C	HP Designjet 800ps Printer (24-inch)
C7780B	HP Designjet 800 Printer (42-inch)
C7779B	HP Designjet 800 Printer (24-inch)
C7770C	HP Designjet 500ps Printer (42-inch)
C7769C	HP Designjet 500ps Printer (24-inch)
C7770B	HP Designjet 500 Printer (42-inch)
C7769B	HP Designjet 500 Printer (24-inch)
C6096A	HP Designjet 5000ps Printer (60-inch)
C6091A	HP Designjet 5000ps Printer (42-inch)
C6095A	HP Designjet 5000 Printer (60-inch)
C6090A	HP Designjet 5000 Printer (42-inch)
C6074A	HP Designjet 1050c Printer (36-inch)
C6075A	HP Designjet 1055cm Printer (36-inch)



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