HP Designjet 4500 Scanner

Streamline workflow and improve productivity by bringing large-format, color 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 color copy/scan functions in-house

- **Outstanding scan performance increases efficiency.** With scan speeds up to 3 in/76 mm per second color and 10 in/254 mm per second black-and-white, the HP Designjet 4500 Scanner delivers outstanding copy and scan performance and increases efficiency. Scan, then save, print or copy and move on to the next task.
- **High processing speed makes short work of large files.** The HP Designjet 4500 Scanner comes standard with an embedded operating system and an Intel Pentium® 4 processor. The 2.6 GHz processing speed, 1 GB memory, and 40 GB hard disk enable faster scan and copy performance.
- **Powerful scan resolution creates high-quality images with realistic colors 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 up to 9600 dpi enhanced from three CCD 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 color and black-and-white scans from wide or thick, rigid originals.** Add scanning functionality to produce electronic files and hard copies of color and black-and-white documents. The scanner accepts originals up to 43 in/1092 mm wide and 0.6 in/15.2 mm thick, so you can handle oversized and heavyweight originals even those mounted on foam board. The 42 in/1067 mm scan area captures wide-format images for easy printing, copying, and saving. The scanner does not limit scan length.
- **Low support cost.** Service certain parts more easily yourself and rely on HP's award-winning service.

Create an integrated HP scan-copy-print system

- **Closed-loop color calibration gives you consistent color reproduction.** Every scan, copy, and print contains the same colors as the original document. Create and store your custom media profiles to obtain outstanding color accuracy - print after print, and JPEG with embedded ICC profiles, offset emulation, HP CMYK Plus, Black Point compensation, and PANTONE® calibration (PS only).

- **Integration with the printer enables excellent ease of use, copy quality, and performance.**[1] The Designjet 4500 Scanner's integrated copy system features real-time 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 print and copy directly to your HP Designjet 5000/5500 series, 4000/4500 series, 1000 series, 500/800 series, T1100/T610 series, Z2100/Z3100 series, and Z6100 series products. Eliminate user retraining by including this scanner in your HP design-and-production solution.
- **Easily save scanned files in PDF, TIFF, JPEG2000, and DWF file format.**
- **Easy to integrate with a variety of third party applications.** These range from scan applications and raster-to-vector conversion to document management.

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

- **Use the touchscreen graphical display for easy, intuitive operation.** Even untrained users can produce great copy and scan results from the intuitive, 15 in/381 mm touchscreen 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 Scanner help you make copies quickly and easily. 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 perform batch scanning with auto-naming and track your output by using the integrated accounting features.
- **Seamless network connectivity for easy access.** The HP Designjet 4500 Scanner fits seamlessly into your production setup and your network. Using 10/100Base-TX 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] Only valid for connection with the HP Designjet 4000/4500 Printer series.

WHAT DO YOU HAVE TO SAY?

HP Designjet 4500 Scanner

1. The built-in scanner accepts originals up to 43 inches/ 1092 mm wide and 0.6 inches/15.2 mm thick.
2. Scan resolution of 508 dpi optical and 9600 dpi enhanced.
3. Scanning speed of 3 inches/ 76 mm per second for color and 10 inches/254 mm per second for mono originals (400 dpi Turbo).
4. Intuitive, 15 inch/381 mm touchscreen display with graphical interface.
5. Includes Read/Write DVD to save scanned documents on DVDs and CDs.
6. 2.6 GHz processing speed, 1 GB memory, and 40 GB hard disk for faster scan and copy performance.
7. Fast preview enables greater control over final output.
8. Intuitive software provides easy-to-use scanning, copying, and network printing.
9. High scanning quality and speeds/excellent 3D scanning capability.

HP Designjet 4500 Scanner at a glance

HP Designjet 4500 Scanner
- 42 inch/1067 mm scan area
- Accepts originals up to 0.6 inches/15.2 mm thick
- 508 dpi optical and 9600 dpi enhanced scan resolution
- 3 inches/76 mm per second color and 10 inches/254 mm per second black-and-white scan speed (400 dpi Turbo)
- 2.6 GHz processing speed, 1 GB memory, and 40 GB hard disk

Optional service and support
- HP Network Installation Service (1 unit)
- HP Next Business Day Onsite Hardware Service, 3 years
- HP 4 hour response 9x5 Onsite Hardware Service, 3 years
- HP 4 hour response 13x5 Onsite Hardware Service - onsite in 4 hours, 3 years
- HP Next Business Day Onsite Hardware Service, 1 year post warranty
- HP 4 hour response 13x5 Same Day Onsite Hardware Service, 1 year post warranty

"The Designjet 4500 scanner and printer together are 3 times faster than the configuration we had before. We ran one set of 50 drawings and completed the job in one third of the time"

John Jury, Director, Reprograffix

Scanner
Superior technology for superior results
- Three digital cameras scan at a resolution of up to 508 dpi optical and 9600 dpi enhanced, with 0.1 percent line accuracy
- Full, vivid color with 24-bit color and 8-bit graytone
- High-speed, 400 dpi Turbo color scanning at 3 inches/76 mm per second and 400 dpi Turbo monochrome scanning at 10 inches/254 mm per second
- Scan media up to 43 inches/1092 mm wide and up to 0.6 inches/15.2 mm thick, for handling oversized, heavyweight originals–even cardboard
- Color image processing technology provides color correction and 2-D filters for color sharpening, color softening, and blur reduction

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 or DVD/CD in the most common file formats including PDF, TIFF, JPEG2000, and DWF
- 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, 5000/5500, T1100/T610, Z2100/Z3100, Z6100 Printer series
- Use the nesting option to save media
- Make enlargements easily with the paneling option
- Track your output using the integrated accounting features
- Perform batch scanning with auto-naming

Graphical display
Convenient, easy-to-use interface
- Touchscreen running embedded operating system
- Intel Pentium 4, 2.6 GHz processor and 40 GB of memory for scanned jobs
- Small keyboard included for easy data entry and network access
- DVD/CD reader/writer included for efficiency and versatility
- Fast network connection (TCP/IP)

Support and service
One-stop support and service
- One-year onsite warranty
- Additional support options include physical installation with or without network configuration, three-year warranty extension, and a one-year 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 1000/1055

HP Designjet 4000

HP Designjet 4500

HP Designjet 5000/5500

HP Designjet Z6100

HP Designjet Z3100

HP Designjet Z2100

HP Designjet T1100

HP Designjet T610

HP Designjet 4500 Scanner

Technical specifications

Scan	
Speed	**Color (200 dpi/400 dpi Turbo):** 3 in/sec (76 mm/sec)
	Black-and-white (200 dpi/400 dpi Turbo): 10 in/sec (254 mm/sec)
Resolution	Best mode 300 x 300 dpi
	Normal mode 200 x 200 dpi
	Draft mode 150 x 150 dpi
	Enhanced mode 9600 x 9600 dpi with variable resolution settings from 50 dpi in increments of 1 dpi
Maximum scan width	42 in/1067 mm
Maximum scan thickness	0.6 in/15 mm

Media	
Handling	Straight-through scan paper path for sheet and cardboard originals
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

Memory	
	1 GB RAM internal memory and 40 GB hard disk

Connectivity	
Processor	2.6 GHz
Processor type	Intel Pentium 4
Network operating systems	Windows® 2000, XP Home, XP Professional; IBM OS/2 WARP v 3.0, 4.0; HP-UX 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 10/100Base-TX
Drivers	HP Macroinstaller with Windows drivers for HP Designjet 500, 800, 1000, 4000, 4500, 5000, 5500, T610, T1100, Z2100, Z3100, and Z6100 series printers

Dimensions (h x d x w)	
Maximum	70.8 x 40.2 x 54.3 in/1800 x 1020 x 1380 mm
Shipping	75.2 x 27.2 x 28.7 in /1910 x 690 x 730 mm

Weight	
Scanner	204 lb/92.5 kg
Shipping	316 lb/143.5 kg

What's in the box	
	HP Designjet 4500 Scanner, scanner stand, touchscreen (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	64 to 90° F (18 to 32° C)
Recommended operating temperature	59 to 86° F (15 to 30° C)
Storage temperature	-4 to 131° F (-20 to 55° C)
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 V ac (+/- 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
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)

Warranty

Warranty Support call 1-800-HP INVENT	One-year, next-business-day, onsite warranty

Ordering information

Product

Q1277A	HP Designjet 4500 Scanner

Supported Printers

C7769B	HP Designjet 500 24-in Printer
C7770B	HP Designjet 500 42-inch Printer
C7769C	HP Designjet 500ps 24-in Printer
C7770C	HP Designjet 500ps 42-inch Printer
C7779B	HP Designjet 800 24-in Printer
C7780B	HP Designjet 800 42-inch Printer
C7779C	HP Designjet 800ps 24-in Printer
C7780C	HP Designjet 800ps 42-inch Printer
C6074B	HP Designjet 1050c Plus Printer
C6075B	HP Designjet 1055cm Plus Printer
Q1273A	HP Designjet 4000 Printer
Q1274A	HP Designjet 4000ps Printer
Q1271A	HP Designjet 4500 Printer
Q1272A	HP Designjet 4500ps Printer
Q1251A	HP Designjet 5500 42-inch Printer
Q1253A	HP Designjet 5500 60-inch Printer
Q1252A	HP Designjet 5500ps 42-inch Printer
Q1254A	HP Designjet 5500ps 60-inch Printer
Q1251V	HP Designjet 5500 42-inch UV Printer
Q1253V	HP Designjet 5500 60-inch UV Printer
Q1252V	HP Designjet 5500ps 42-inch UV Printer
Q1254V	HP Designjet 5500ps 60-inch UV Printer
Q6711A	HP Designjet T610 24-in Printer
Q6712A	HP Designjet T610 44-in Printer
Q6683A	HP Designjet T1100 24-in Printer
Q6687A	HP Designjet T1100 44-in Printer
Q6684A	HP Designjet T1100ps 24-in Printer
Q6688A	HP Designjet T1100ps 44-in Printer
Q6675A	HP Designjet Z2100 24-in Photo Printer
Q6677A	HP Designjet Z2100 44-in Photo Printer
Q5669A	HP Designjet Z3100 24-in Photo Printer
Q6659A	HP Designjet Z3100 44-in Photo Printer
Q5670A	HP Designjet Z3100ps GP 24-in Photo Printer
Q6660A	HP Designjet Z3100ps GP 44-in Photo Printer
Q6651A	HP Designjet Z6100 42-inch Printer
Q6652A	HP Designjet Z6100 60-inch Printer
Q6653A	HP Designjet Z6100ps 42-inch Printer
Q6654A	HP Designjet Z6100ps 60-inch Printer

HP Care Pack Services

H4518E	HP Installation Service with Network Setup
UK006E	3-Year Same Day Onsite Service
UK009E	3-Year Same Day Onsite Service (13x5)
UD900E	3-Year Next Day Onsite Service
UK487E	3-Year Next Day Onsite Service with Disk Retention

For more service options visit: **www.hp.com/go/lookuptool**
HP Care Pack Services call 1-800-633-3600 for service

For a complete list of supported printers,
visit: **www.hp.com/go/designjet4500scanner**

For more information, visit our website at:

www.hp.com/go/designjet4500scanner