hp designjet 500 and 500ps

invent

professional personal printing

for technical and graphics professionals

hp designjet 500 and 500ps

Demanding large-format users depend on HP Designjet printers for clear, crisp images with rich true colors and uncompromising image quality—print after print. HP Designjet 500 Series printers are the perfect choice for graphics and technical professionals who want a smart, affordable system for a personal office or small workgroup.

hp designjet 500

Architects, engineers, and technical professionals rely on the HP Designjet 500 printer for fast, accurate illustrations, precise line drawings, and high-resolution renderings.

hp designjet 500ps

The HP Designjet 500ps printer, with a full-featured PostScript RIP, provides detailed illustrations, accurate proofs and powerful presentations for small advertising agencies, designers, and graphic artists.

Exclusive HP Designjet imaging technology delivers uncompromising image quality at top speed. Smart printing tools provide customers with low cost of ownership, simple-to-use interface, and a high degree of unattended printing.

high speed

- Color images at 85 ft^2/hr (D-size fast mode)
- Line drawings in just 90 seconds (D-size fast mode)

uncompromising image quality

- Rich, brilliant colors from print to print, regardless of ink levels or printhead usage
- Precise ink placement ensures crisp, sharp lines and text
- HP's color layering technology combines ink drops on a single dot to create smooth color transitions and photo-quality results—even up close
- Up to 1200-dpi resolution

smart printing

- High-capacity HP No. 82 ink cartridges and long-life HP No.11 printheads mean fewer supplies changes, unattended printing and low cost of ownership
- Built-in smart chips identify low ink levels and worn printheads

The **hp** designjet printing system—**hp** printers, ink systems and printing material—developed and tested together to ensure uncompromising image quality, performance and reliability.

hp designjet printing supplies

HP Designjet Printing Supplies maximize the performance of your HP Designjet system. The portfolio of supplies consists of high-performance products for a variety of printing solutions that ensure uncompromising print quality, performance, and reliability.

- Ink cartridges and printheads are replaceable—replace what you need, when you need
- HP Zoomsmart scaling technology allows easy printing from any Microsoft Windows application
- Optional Fiery X4-W external RIP provides EFI tools and workflow for graphics professionals

simple to use

- Drivers are easy to install and the control panel is simple to navigate
- Ink set changes take less than one minute
- Smooth media loading and automatic alignment
- Finished prints are automatically cut and stacked in media bin (optional on 24-inch models)

hp warranty and support

- One-year warranty delivers free, on-site, next-business-day service, backed by HP support centers around the world
- HP Supportpacks and service agreements allow you to extend your warranty to up to five years

hp designjet 500

- Windows drivers (including support of AutoCAD)
- 16 MB RAM, expandable to 160 MB (with HP-GL/2 accessory card)
- USB 1.1 and parallel ports, and an optional network card
- C7770B (42 inch) US list price $3,695
- C7769B (24 inch) US list price $2,495

hp designjet 500ps

- Includes Adobe PostScript 3 RIP
- Windows drivers (including support of AutoCAD)
- 16 MB RAM, expandable to 160 MB (with HP-GL/2 accessory card)
- USB 1.1 and parallel ports, and an optional network card
- Color management obtained through offset printing press emulations (EuroScale, SWOP, DIC and TOYO), ICC profiles for Macintosh and Windows, and Pantone color tables
- Pantone certified
- Apple ColorSync compatible
- C7770C (42 inch) US list price $4,395
- C7769C (24 inch) US list price $3,495

hp designjet 500/500ps series ink supplies

ink cartridges

no. 10	color	ink volume
C4844A	black	69 ml
no. 82	**color**	**ink volume**
C4911A	cyan	69 ml
C4912A	magenta	69 ml
C4913A	yellow	69 ml

printheads

no. 11	color
C4810A	black
C4811A	cyan
C4812A	magenta
C4813A	yellow

hp premium printing material

HP Printing Material offers a broad range of solutions, ranging from premium products for uncompromising image quality to economical products for best value and flexibility.

HP Bright White Inkjet Paper, HP Coated Paper, HP Heavyweight Coated Paper, HP Paper-Based Semi-Gloss, HP Satin Poster Paper, HP High-Gloss Photo Paper, HP Semi-Gloss Photo Paper, HP Studio Canvas, HP Banners with Tyvek®, HP Colorfast Adhesive Vinyl, HP Matte Film, HP Clear Film, HP Natural Tracing Paper, HP Translucent Bond and HP Vellum, HP Basic Coated Paper, HP Basic High-Gloss Photo Paper, HP Basic Photo Satin

For complete HP Printing Material product information, compatibility and printing tips visit **www.hp.com/go/designjet** and select "Printing Material."

hp designjet 500 and 500ps printers

specifications

print technology	HP Color Thermal Inkjet
print performance*	Line drawings: 90 seconds (fast mode)
D-size: 24 x 36 inch	Color images: 85 ft^2/hour (fast mode) 36 ft^2/hour (normal) 21 ft^2/hour (best)
maximum resolution	1200 x 600 dpi
minimum line width	0.002 in
line accuracy	±0.2% or 0.38 mm (whichever is greater at 23°C, 50–60%RH)
margins	Lateral: 5mm Leading and trailing edge: 17mm
media handling	Sheet feed, roll feed, automatic cutter
media sizes	Sheet / Roll
24 inch	width: 8.3 in. to 24 in. / width: 24 in. length: up to 74.7 in. / length: up to 150 ft.
42 inch	width: 8.3 in to 42 in. / width: 24, 36, 42 in. length: up to 74.7 in. / length: up to 150 ft.
memory	Standard: 16 MB Maximum: 160 MB (with HP-GL/2 accessory card)
connectivity	
languages	500: HP-PCL3-GUI (Optional: HP-GL/2, HP RTL) 500ps: Adobe® PostScript® 3™ via software RIP, HP-PCL3-GUI (Optional: HP-GL/2, HP RTL)
drivers	Microsoft® Windows®: 95, 98, NT 4.0, 2000 AutoCAD®: 2000 and Releases 13, 14 for Windows PostScript RIP (500ps): Microsoft Windows 95, 98, NT 4.0, 2000; Macintosh 8.1, 8.6, 8.6, 9.x
interfaces	Standard: (500) Centronics parallel, IEEE 1284-compliant (ECP), USB 1.1 (Windows 98, 2000) (500ps) Centronics parallel, IEEE 1284-compliant (ECP), USB 1.1 (Windows 98, 2000 and Macintosh OS 8.1, 8.5, 8.6, 9.0) Optional: HP Jetdirect internal print servers—see network cards
automatic interface switching	yes
system requirements	500: Microsoft Windows 9.x; Pentium I-133Hmz or better, 48 MB RAM, 300 MB hard disk space 500ps: Microsoft Windows 95, 98, NT 4.0 or 2000; 32 MB RAM, 500 MB hard disk space; Power Macintosh 8.5, 8.6, 9.0, IBM PC compatible
warranty	One-year warranty includes free, next-business-day, on-site support and service for your printer, backed by HP support centers. HP Supportpacks and service agreements extend your warranty for up to 5 years, and can provide around-the-clock service, 4-hour response time, 365 days a year.

physical characteristics

	24 inch	42 inch
width x depth x height / weight	49 in. x 19 in. x 14 in. / 85 lbs.	67 in. x 27 in. x 43 in. / 99 lbs.
shipping dimensions / weight	61 in. x 25 in. x 28 in. / 187 lbs.	78 in. x 26 in. x 38 in. / 257 lbs.

environmental specifications

temperature ranges	Operating: 59° to 95°F; Storage: -40°F to 158°F
operating humidity	20% to 80% RH
power	Requirements: 100 to 240 V AC ±10% auto-ranging; 50 to 60 Hz, 3 amps max. Consumption: 150 watts maximum
acoustic emissions†	Pressure: Printing: 52 dB (A) Power: 65 dB (A)

regulatory compliance

information and safety	Compliant with the requirements for the ITE products–EU: Low Voltage Directive; USA and Canada: CSA Certified for US and Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB and CCEE; Singapore: PSB; Russia: GOST; Poland: PCBC
electromagnetic compatibility	Compliant with the requirements for Class B ITE products (Class A when connected to LAN cables)–EU EMC Directive, USA FCC rules, Canada DOC, Australia ACA, New Zealand MoC, China CCIB, Japan VCCI. Class A for Korea MIC, Taiwan BSMI
environmental compliance	US EPA ENERGY STAR® compliant

ordering information

box contents	hp designjet 500 24 inch C7769B	hp designjet 500 42 inch C7770B	hp designjet 500ps 24 inch C7769C	hp designjet 500ps 42 inch C7770C
printer stand		•		•
media bin		•		•
roll-feed spindle	•	•	•	•
PostScript software RIP for Mac and Windows (including AutoCAD)			•	•
USB 5-m cable			•	•
power cords	•	•	•	•
hp designjet ink system	•	•	•	•
hp printing material sample	•	•	•	•
user documentation	•	•	•	•

Other interface cables must be ordered separately.

* Color images approximate speed on HP Coated Paper. Line drawings approximate speed on HP Bright White Inkjet Paper. †Per ISO DP7779. Typical emissions at 1 meter by-stander position for pressure.
◆ Recommended for networking. ▼Requires purchases of HP 128-MB memory upgrade (P/N C2388A), HP-GL/2 accessory card (P/N C7772A), and HP Jetdirect server (P/N J4169A) for connectivity with HP Designjet 500 Series. ▽HP-GL/2 Accessory Card (P/N C7772A) is recommended for networking.

options and accessories

64 MB memory module (requires C7772A)	C2387A
128 MB memory module (requires C7772A)	C2388A
HP-GL/2 accessory card and 16 MB memory module◆	C7772A
24-inch spindle	C2389A
42-inch spindle	C2390A
Printer stand & media bin	C7782A
EFI Fiery X4-W external RIP▼	C7789A

network cards▽

HP Jetdirect EIO 10/100Base-TX	J4169A
HP Jetdirect EIO 10Base-T	J3110A
HP Jetdirect EIO 10Base2, 10Base-T, LocalTalk	J3111A
HP Jetdirect Token Ring	J3112A

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