# 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 ft²/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

- 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

large-capacity ink cartridges

easy-to-follow control panel

### 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

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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.

## hp designjet 500/500ps series ink supplies

| ink cartridges | | | printheads | |
|---|---|---|---|---|
| **no. 10** | **color** | **ink volume** | **no. 11** | **color** |
| C4844A | black | 69 ml | C4810A | black |
| | | | C4811A | cyan |
| **no. 82** | **color** | **ink volume** | C4812A | magenta |
| C4911A | cyan | 69 ml | C4813A | yellow |
| C4912A | magenta | 69 ml | | |
| C4913A | yellow | 69 ml | | |

## 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 ft²/hour (fast mode) |
| | 36 ft²/hour (normal) |
| | 21 ft²/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

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|---|---|
| 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

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|---|---|
| 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.

options and accessories

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|---|---|
| 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 |

* 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.

## hp designjet 500 and 500ps

**professional personal printing**

**for technical and graphics professionals**

hp invent