



professional



affordable

data sheet



## hp designjet 100

personal multi-format color printer

Expand your personal color printing capabilities to include a wide range of common and large-format media sizes—at a purchase price that's easy on your budget. The HP Designjet 100 Printer is a personal color multifunction printer that produces professional, high quality results for all your office or technical needs, from proposals to oversize drawings.

### versatile

- save time with convenient media handling system—the standard tray is for common and custom sizes (up to 13 by 19 inches), the separate manual feed path loads larger sizes (up to 24 inches) without unloading the standard tray, and the rear path accommodates thick media
- print using the media that will make you successful—supports a full range of media sizes (up to 24 inches, media thickness up to 0.4 mm, and media weight up to 300 g/m<sup>2</sup>) and media types (such as coated, heavyweight coated, and glossy, and CAD media types such as bright white and coated paper for line drawings, transparencies, natural tracing paper, and vellum)
- built-in features help get the job done right—a comprehensive set of office printing features including number of copies, zoom, and custom sizing, as well as CAD features and color options—all from one unified printer driver

### budget-friendly

- low-cost option that expands your printing capability—print common sizes and larger sizes up to 24 inches from a single low-cost device
- replace only the ink supplies you need—modular, individually replaceable supplies make color cost effective
- single printing solution—print a variety of office, CAD, and oversize documents from proposals to drawings from only one printer
- eliminates expensive outsourcing—anyone with occasional large-format needs can economically print documents in-house

### professional results

- get consistently superb photo quality for all your professional documents—using specially formulated inks, the 1200 dpi writing system, and hp color layering technology which provides a wide gamut of vivid colors, continuous tones, and smooth color transitions
- fast results—print at up to 11 pages per minute (ppm) for letter size in fast mode and 90 seconds per page for 2 by 3 feet drawing in Fast Mode
- print crisp, sharp lines and text—hp technology ensures precise dot placement for excellent image and line quality for all your professional documents
- no compromising CAD results—AutoCAD® drivers provide the capability to print AutoCAD files in addition to business documents and images; through the ADI driver, users can produce complex documents with thick, stylistic lines, a variety of line widths, line ends and joins, annotations, and raster patterns

HP printing and imaging systems help you create powerful, professional communications easily. Printers, supplies, accessories, and services are designed together to work together and invented to meet your business needs.

# hp designjet 100

## personal multi-format color printer

LCD printer status indicator for ink supply maintenance and print messages alert

connect via EIO slot—USB 1.1- and USB 2.0-compliant and Centronics parallel IEEE 1284-compliant

rear manual feed designed to support extra thick media—up to 80 lb and 300 g/m<sup>2</sup>—up to 24 inches

modular ink system with four independently replaceable ink cartridges so you replace only the ink colors you need



cancel-print button immediately terminates print jobs, saving ink and saving time

small footprint allows you to place printer on your desktop or common work area

standard media tray handles media up to 13 by 19 inches and can accommodate up to 100 sheets

front manual feed handles media up to 24 inches wide

### the personal multi-format color solution for technical and office printing

- multipurpose printing—3 by 5 inches to 13 by 19 inches from automatic paper tray and up to 24 by 64 inches from rear paper path
- versatile printing—printer optimized to provide excellent office and CAD output—precise dot placement ensures crisp and sharp lines and text as well as graphic output—photo quality achieved thanks to 1200 dpi writing system and hp color layering technology
- flexible printing—support for a full range of media sizes (up to 24 inches wide), thickness (up to 80 lb), and types: coated, heavyweight coated, glossy, and CAD medias like bright white, transparencies, or natural tracing paper
- fast printing—11 ppm for letter size in Fast mode and 90 seconds per page for 2 by 3 feet in Fast mode
- professional results—using 1200 dpi writing system and hp color layering technology
- smart office features—including number of copies, zoom, and custom sizing as well as CAD features and color options via one unified printer driver
- low operation cost—modular, individually replaceable supplies make color cost effective

#### optional accessories:

- stand and media bin for added convenience
- hp jetdirect 615n network card
- hp care pack extends standard warranty to three years



### **versatility you can see**

With the HP Designjet 100 Printer, you get a single solution that yields a variety of professional results. Now you can switch from letter-size to oversize media quickly, economically, and easily. Use the HP Designjet 100 Printer to produce crisp, clear line drawing, dynamic presentations, and professional quality business communications such as reports, spreadsheets, flowcharts, and meeting agendas without outsourcing, taping, or hassle.

Using simple yet powerful drivers, Macintosh and Microsoft® Windows® users from various industries can discover how the versatility of the HP Designjet 100 Printer enhances both their productivity and effectiveness:

- interior designers can create detailed plans and final presentations up to 24 inches wide as well as prepare estimates, proposals, and invoices—all from a single printer
- architecture and engineering students can create full size projects and school papers without leaving their dorm room or apartment
- construction companies can cost-effectively add onsite printing capability for plans and schematics
- finance, IT, and project management professionals can review and update team members and managers with small-format reports or large-format diagrams from applications like Visio or Excel

And unlike some printers that produce great text but poor pictures or vice-versa, the HP Designjet 100 Printers have been optimized for a wide range of everyday printing needs:

- schematics and office documents look great because the pigmented black ink and careful dot placement mean sharp, accurate lines and crisp, clear text
- you get professional quality images and renderings thanks to 1200 dpi resolution, small drop sizes, and hp color layering technology
- fast and accurate technical drawings thanks to special CAD print modes optimized for speed and a GDI interpreter that easily handles the intricacies of AutoCAD printing

### **supplies complete the solution**

The HP Designjet 100 Printers and supplies employ HP Smart Printing Technology to produce excellent, efficient printing every time. Smart printing features control the interaction between the printheads, ink cartridges, and print media to optimize print quality. By using a modular ink delivery system (four separate ink cartridges), durable printheads, and a print mode that conserves ink, the printer also saves you time and money by reducing user intervention, extending supply life, and allowing you to replace only the necessary components.

This versatile printer works on a wide variety of media to ensure that your business can quickly and easily create powerful, effective communications. The HP Designjet 100 supports a full range of printing materials and supports media thickness up to 0.4 mm. Look to HP supplies for a complete selection of media choices that not only deliver the look you need but are designed specifically to work flawlessly with your HP printer.

### **award winning support from hp**

To ensure you get the most out of your HP Designjet 100 printer, your purchase is backed by an entire network of HP-authorized technical professionals and by a wide array of support services. Start with a one-year next business day exchange warranty backed by the award winning phone support from HP Customer Care—features include interactive phone support during regular business hours and professionals who answer questions or arrange for service, and 80 percent of all customers problems are resolved with the first phone call.

Other support benefits include 24-hour support via our website. Simply go to [www.designjet.hp.com](http://www.designjet.hp.com) to find a variety of helpful solutions including driver and software downloads, online diagnostics for interactive troubleshooting, user forums with HP users and technical experts, and e-mail option and subscription services.

To further guarantee trouble-free operation, to maximize the potential of your HP Designjet printer, and to customize the printer for your unique business profile, consider upgrading service and support options.

**add high quality  
multi-format color output  
for an affordable price**

| Technical Specifications<br>HP Designjet 100 Printer |   | HP Designjet 100<br>C7796A  |                           |  |
|--|---|---|---------------------------|--|
| Print Performance                                    | Print Speed*  | <b>Fast Mode</b>  |                           |  |
|  |   | <b>Letter size:</b> 11 ppm  | <b>2 x 3 feet:</b> 90 sec |  |
|  | Maximum Resolution  | 1200 x 600 dpi  |                           |  |
| Print Margins  | Top, left, and right: 5 mm; bottom: 12 mm   |   |                           |  |
| Media  | Handling  | 100-sheet input tray: 3 x 5.6 to 24.5 x 64 in (used mainly for letter, tabloid, B+); Front bypass manual single-sheet feed: 4.3 x 8.1 to 24 x 64 in (used mainly for C, D); Single-sheet rear path for thick media: 4.3 x 8.1 to 24.6 x 64 in (for thick media up to 80 lb (300 g/m <sup>2</sup> )) |                           |  |
|  | Types   | Paper (plain, coated, natural tracing, two-sided brochure paper, photo, glossy, heavyweight), transparencies, vellum, translucent bond  |                           |  |
|  | Weight  | 17.3 to 80 lb   |                           |  |
|  | Media Size  | Letter, legal, tabloid, executive, B, C, D, B+, C+, D+, envelopes (3.0 to 24.6 inch wide sheets)  |                           |  |
| Memory   | 16 MB   |   |                           |  |
| Print  | Technology  | HP Color Thermal Inkjet   |                           |  |
|  | Technology Print Resolution   | PhotoREt  |                           |  |
|  | Cartridges  | Black (pigment, 69 ml); cyan, yellow, magenta (dye, 28 ml)  |                           |  |
| Connectivity   | Languages   | PCL3GUI RGB-24 bit contone  |                           |  |
|  | Operating Systems   | Microsoft Windows (95, 98, Me, NT 4.0, 2000, XP), Macintosh (9.1, 9.2, 10.1, 10.2)  |                           |  |
|  | Network Operating Systems   | Microsoft Windows (XP, NT 4.0 server, 2000 server, 2002 server), Novell, Mac OS (with optional HP Jetdirect print server)   |                           |  |
|  | Interfaces  | USB 1.1 (Microsoft Windows 98 second edition, Me, 2000, and XP), USB 2.0 compliant, Centronics Parallel IEEE 1284-compliant, 1 EIO slot   |                           |  |
| Recommended System Requirements                      | Microsoft Windows 95, 98: Pentium® I 133 MHz, 64 MB RAM, 320 MB available hard disk space; Windows NT: Pentium III 733 MHz, 128 MB RAM, 2 GB available hard disk space; Windows 2000: 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 9 v9.2, X v10.1 (and higher), G4 dual processor, 1 GHz, 512 MB RAM, 1 GB available hard disk space |   |                           |  |
| Dimensions (w x d x h)                               | Printer   | 41 x 15.8 x 8.7 in  |                           |  |
|  | Maximum   | 41.3 x 31.5 x 8.7 in  |                           |  |
|  | Shipping  | 46.9 x 21.5 x 18.3 in   |                           |  |
|  | Weight  | 43.6 lb   |                           |  |
| Shipping   | Printer   | 43.6 lb   |                           |  |
|  | Shipping  | 70 lb   |                           |  |
| What's in the Box                                    | HP Designjet 100 printer, power cord, USB cable, printheads (4), print cartridges (4), input/output tray, Macroinstaller, drivers CD, user documentation CD, setup poster, Quick Start Guide, unpacking instructions, media flyer   |   |                           |  |

### ordering information

| number | description              |
|--------|--------------------------|
| C7796A | HP Designjet 100 Printer |

| service and support |  |
|---------------------|--|
| U3423A/E            | HP Care Pack, 3-year, express exchange |

### supplies and accessories

|        |             |
|--------|-------------|
| Q1246A | Stand & Bin |
|--------|-------------|

#### Print Cartridges

|        |                             |
|--------|-----------------------------|
| C4844A | HP 10 Black Ink Cartridge   |
| C4836A | HP 11 Cyan Ink Cartridge    |
| C4837A | HP 11 Magenta Ink Cartridge |
| C4838A | HP 11 Yellow Ink Cartridge  |

#### Printheads

|        |                         |
|--------|-------------------------|
| C4810A | HP 11 Black Printhead   |
| C4811A | HP 11 Cyan Printhead    |
| C4812A | HP 11 Magenta Printhead |
| C4813A | HP 11 Yellow Printhead  |

#### Media

|        |  |
|--------|--|
| Q1970A | HP Proofing Gloss, B+, 50 sheets                             |
| Q1963A | HP Proofing Gloss, C, 50 sheets                              |
| Q1964A | HP Proofing Gloss, D, 50 sheets                              |
| Q1967A | HP Proofing Matte, B+, 100 sheets                            |
| C7884A | HP Proofing Semi Gloss, B+, 50 sheets                        |
| C6039A | HP Premium Photo Paper, A, 15 sheets                         |
| C6979A | HP Premium Photo Paper, A, 50 sheets                         |
| C6058A | HP Premium Photo Paper, B, 20 sheets                         |
| Q1961A | HP Coated Paper, C, 100 sheets                               |
| Q1962A | HP Coated Paper, D, 100 sheets                               |
| 51634Y | HP Premium Paper, A, 200 sheets                              |
| C1855A | HP Premium Paper, B, 100 sheets                              |
| C1852A | HP Premium Heavyweight Coated Paper, A, 100 sheets           |
| C6955A | HP Brochure and Flyer Paper, Matte, A, 50 sheets             |
| C6817A | HP Brochure and Flyer Paper, Glossy, A, 50 sheets            |
| C6820A | HP Brochure and Flyer Paper, Two-Sided, Glossy, B, 50 sheets |
| C7007A | HP Everyday Photo Paper, Matte, A, 100 sheets                |
| C6983A | HP Everyday Photo Paper, Two-Sided, Semi Gloss, A, 25 sheets |
| C1824A | HP Bright White Inkjet Paper, A, 500 sheets                  |
| C5976B | HP Bright White Inkjet Paper, A, 250 sheets                  |
| C1857A | HP Bright White Inkjet Paper, B, 200 sheets                  |
| C7028A | HP Premium Plus Inkjet Transparency Film, A, 50 sheets       |
| C7030A | HP Premium Plus Inkjet Transparency Film, A, 20 sheets       |

### network and software

|        |   |
|--------|---|
| J6057A | HP Jetdirect 615n Fast Ethernet Internal Print Server |
|--------|---|

### drivers

PCL3GUI Windows driver, Microsoft Window drivers (95, 98, NT 4.0, 2000, Me, XP) including support for AutoCAD® 2000 and AutoCAD 13-14 drivers, USB and ECP drivers. Raster driver for Mac OS (9.x, OS X v10.1, 10.2)

### environmental ranges

Operating temperatures: 41 to 104° F, Recommended temperature: 59 to 86° F  
Storage temperatures: -4 to 131° F  
Operating humidity: 20 to 80% RH, Recommended humidity: 25 to 75% RH  
Storage humidity: 20 to 80% RH

### acoustics

Per ISO 9614-1  
Sound pressure: 50 dB(A)  
Sound pressure, Standby: 37 dB(A)  
Sound power: 6.2 B(A)

### power requirements

Input voltage 100 to 240 VAC auto-ranging, 50/60 Hz, 2 amp maximum

### power consumption

Printing: 47.5 watts  
Idle: 17.9 watts  
Standby: 13.9 watts  
ENERGY STAR® compliant

### power certification

Safety certifications: CSA Certified for USA and Canada  
Electromagnetic compatibility: compliant with requirements for Class B ITE products (Class A when connected to LAN cables), USA (FCC rules) Canada (DOC)

### warranty

One-year next business day exchange

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