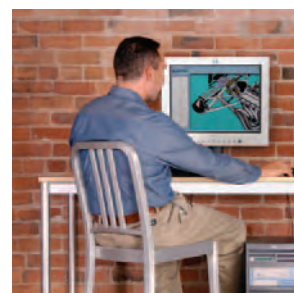


HP Designjet 4000 Printer series



Powered by the new HP Double Swath technology, the HP Designjet 4000 Printer series offers high-speed color and black-and-white printing up to 42 inches wide, complete with outstanding line accuracy, image quality, and remote printer management.



Double your print capacity ⁽¹⁾

- **HP Double Swath technology - twice the performance in color and black & white.** With two long-life HP printheads for each color, get a wider print swath and a higher firing frequency that enables fast printing. Get 2 D/A1-size prints in color & black-and-white in less than 1 minute ⁽²⁾. The embedded processor delivers fast, simultaneous processing and printing up to 100 D/A1-size prints per hour ⁽³⁾. Quickly incorporate last-minute changes to meet even your toughest deadlines.
- **Fast, simultaneous processing and printing.** Experience fast, simultaneous processing and printing thanks to the embedded processor. This robust series comes equipped with 256 MB of memory that can be expanded up to 512 MB for excellent performance on even your most complex jobs.
- **Driverless multi-file printing.** Save time with the driverless multi-file printing workflow, that is operating system independent and simply requires a TCP/IP connection and a standard Web browser. Experience support for a wide range of formats, including TIFF, JPEG, CALS/G4, HP-RTL, and HP-GL/2, Adobe® PostScript level 3 and PDF 1.5 ⁽⁴⁾ to help you quickly and accurately finish any job.

Superior lines and images

- **High image quality and line accuracy up to 0.1 percent.** Patented HP inks and sophisticated HP printhead technology support small drop sizes. With up to 2400x1200 dpi, and using HP supplies, get outstanding image quality with thin, continuous and accurate color lines, and excellent photos and renders with more details in shadows.
- **HP Professional Color.** Get excellent color consistency and screen-to-print matching with HP Professional Color technologies, including enhanced sRGB printing and AdobeRGB, Closed Loop Color (CLC), TIFF and JPEG with embedded ICC profiles, and enhanced graphic features in the PostScript unit.
- **Flexible support for a wide range of media.** Support from plain paper to a wide range of specialty media, including canvas and glossy, up to 42 inches/1067mm wide. Giving you the versatility you need, this series accommodates rolls up to 300 ft/ 90 m, comes equipped with a standard bin that holds 50 E/A0-size prints, and has a manual sheet feed that supports sizes starting from B/A3-sized media.

Remote printer management

- **HP Embedded Web Server.** Use HP Embedded Web Server to remotely manage printer, ink & media usage. Gain complete remote control over all consumables. Reset print job priorities at any stage to save time, get driverless multi-file submission to increase productivity, re-print stored jobs, preview print jobs to avoid surprises, view and save accounting information to monitor ink & media consumption, send service print screens to HP for quick troubleshooting, preview supplies & printer status, and get error notifications.
- **HP Web Jetadmin software - provides easy printer administration.** HP Web Jetadmin plug-in for the HP Designjet 4000 Printer series gives network managers a single support tool to install, configure, monitor, and troubleshoot a wide range of network-connected devices. Accessible from any standard Web browser, this software offers an intuitive interface and provides optimum convenience.
- **HP Smart printing technology ⁽⁵⁾.** HP Smart printing technology, in HP supplies and in the printer, enables automatic alerts for timely cartridge replacement. Remote diagnostics, job tracking and accounting help you to stay proactive and productive. Additionally, HP Smart printing technology confirms that genuine HP print cartridges have been installed correctly.

HP Designjet reliability

- **Minimize support costs and maximize uptime.** Depend on the world-renowned reliability of HP printers and printing supplies to minimize support costs and maximize uptime. Feel confident about your investment with free e-Support, HP Instant Support for self-troubleshooting, HP Active Phone for easier diagnosis, customer forums, real-time firmware upgrades, driver updates, extended warranty, and post-warranty service options.

⁽¹⁾ Compared to any HP Designjet 600/700/800/1000 Printer series

⁽²⁾ Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.

⁽³⁾ Multi-copy printing. Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.

⁽⁴⁾ Only HP Designjet 4000ps Printer supports Adobe® PostScript level 3 and PDF 1.5.

⁽⁵⁾ Using genuine HP supplies ensures availability of all HP printing features.



HP Designjet 4000 Printer series

1. Ink supplies of 225 and 400cc for CMY, 400cc for K.

2. Accommodates media rolls up to 300 ft/90 meters. It also has a manual sheet feed that supports sizes starting from B-size/A3.

3. Front panel with user friendly animations.

4. Color consistency and screen-to-print matching with HP Professional Color technologies.

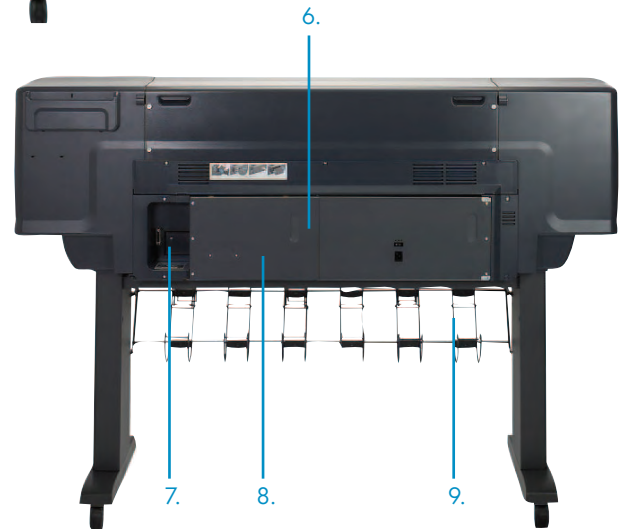
5. Pairs of staggered printheads in the carriage mean the HP Designjet 4000 Printer series has double the print capacity of earlier models.

6. HP Embedded Web server for driverless file submission, queue management, preview, supplies and printer status and error notification.

7. HP Embedded Jetdirect Print Server 10/100BT + 2 IEEE1394 (FireWire) ports.

8. Embedded processor for simultaneous printing and processing. 256 MB memory expandable to 512 MB and 40 GB hard disk.

9. Equipped with a standard bin that holds 50 E/A0-size prints.



HP Designjet 4000 Printer series at a glance

HP Designjet 4000 Printer

- Up to 42"/1067 mm wide
- 2400 x1200 dpi maximum resolution
- Rolls up to 300ft/90m long
- Ink supplies of 225 & 400cc for CMY, 400cc for K
- Embedded processor and 256 MB memory expandable up to 512 MB. 40 GB hard disk
- Support for HP-GL/2, HP RTL, TIFF, JPEG, CALS G4

Optional accessories

- HP Jetdirect 40d Gigabit Print server
- HP Designjet Roll Feed Spindle 42"/1067 mm
- High Speed USB 2.0 card
- 256 MB memory upgrade
- HP Jetdirect 620n LAN card

HP Designjet 4000ps Printer

All the features of the 4000 model, plus:

- Embedded RIP for Adobe® PostScript Level 3 and Adobe® PDF 1.5

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 9x5 Onsite Hardware Support, 3 years
- HP 4 hour response 13x5 Onsite Hardware Support - onsite in 4 hours, 3 years
- HP Next Business Day Onsite Hardware Support, 1 year post warranty
- HP 4 hour response 9x5 Same-Day Onsite Hardware Support, 1 year post warranty
- HP 4 hour response 13x5 Onsite Hardware Support, 1 year post warranty

"Thanks to the HP Designjet 4000 Printer's high speed, professional image quality and reliability, we have gained valuable time and capacity, allowing us to advance numerous projects at the same time, ensuring their successful completion."

Jordi Carbonell

CAD Designer, Tusquets, Díaz Asociados

HP Double Swath Technology

Pairs of staggered printheads in the carriage double the print swath of the HP Designjet 4000 Printer series resulting in twice the performance of earlier Designjet models.

The print swaths overlap each other with 24 nozzles. The nozzles printing in the same scan line (top and bottom printheads) are used together to eliminate swath-to-swath banding. With 1048 nozzles per color, this printer fires an impressive 36,000 drops per second per nozzle.

The printer has been designed to make automatic print mode adjustments if necessary, this ensures consistent image quality print after print. In order to maintain media advance accuracy, at the increased printing speeds, improvements have been made to keep the media tension constant, regardless of the friction conditions.

Related technologies to HP Double Swath Technology, such as the new vacuum system with dual control and high-precision media advance, ensure fast print speeds without compromising on image quality and line accuracy.

HP Embedded Web server

The HP Embedded Web server enables remote printer management using an ordinary web browser. Increase your productivity and cost efficiency:

- preview jobs before printing
- re-print stored jobs at the touch of a button
- remotely re-set your print job priorities at any time
- submit multiple files for printing in one go
- view and save accounting information on printheads, ink and media usage.

HP Professional Color technologies

Get the right colors on the first print. No more trial and error. Get superior color consistency: print-to-screen color matching, print-to-print color consistency and accurate application color palette reproduction. Get excellent grays: improved gray neutrality and more grayscale levels. The HP Designjet 4000 Printer series includes the latest HP Professional Color technologies:

- Enhanced sRGB printing and AdobeRGB.
- Closed Loop Color (CLC)
- TIFF and JPEG with embedded ICC profiles
- Enhanced graphic features: Pantone calibration*, offset emulation, HP CMYK plus and Black Point compensation.

* Only available on the HP Designjet 4000ps Printer



HP Designjet 4000 Printer series

Technical specifications

Print speed	25 sec D/A1-size ⁽¹⁾ , 93 sqm/hour ⁽²⁾ , 1000 sqft/hour ⁽²⁾ , up to 100 D/A1-size prints per hour ⁽²⁾
Resolution, maximum	Up to 2400 x 1200 optimized dpi ⁽³⁾
Line accuracy	±0.1 percent ⁽³⁾
Print margins	
Top	0.45in/11.5mm (Normal); 2.1in/55mm (Extended)
Bottom	0.2in/5mm (Roll); 0.98in/25mm (Sheet Normal); 2.1in/55mm (Sheet Extended)
Side	0.2in/5mm (Normal); 0.6in/15mm (Extended)
Memory	256 MB (upgradeable to 512 MB), 40 GB hard disk
Media	
Handling	Manual single-sheet feed, manual roll feed, automatic cutter
Types	Paper (plain, inkjet, coated, heavyweight coated, super heavyweight coated, semi-gloss, glossy, translucent bond, natural tracing, photo, vellum), film, canvas
Thickness (by paper path)	All paths: 0.0018 up to 0.0175 in/0.046 up to 0.450 mm
Weight (by paper path)	All paths: 0.11 up to 0.77 lb/50 up to 350 g/m2
Size	Sheets and rolls in sizes B, C, D, E and up to 42 in wide/A3, A2, A1, A0 and up to 1067 mm wide
Printing	
Technology	HP Thermal Inkjet
Technology resolution	HP Color Layering technology, PhotoREI III
Print cartridge colors	Black, cyan, magenta, yellow
Ink types	Black Pigmented, CMY dye-based
Ink drop	5.5 pl color, 15 pl black
Connectivity	
Interfaces Standard	Fast Ethernet (10/100 Mbps) ⁽⁴⁾ , FireWire (IEEE-1394a compliant), 1 EIO slot
Interfaces Optional	HP Jeldirect 620n LAN card ⁽⁵⁾ , HP Jeldirect 40d Gigabit Print Server for the HP Designjet 4000 Printer series ⁽⁶⁾ , HP Designjet 4000 Printer series High speed USB 2.0 card
Drivers (included)	HPGL/2, HP-RTL Windows drivers (NT 4.0 Workstation, NT 4.0 Server, ME, 98, 2000, XP, 2003), ADI driver for AutoCAD R14, support for AutoCAD 200x, Support for Citrix Metaframe environments.
	PS Windows drivers ⁽⁷⁾ (NT 4.0 Workstation, NT 4.0 Server, ME, 98, 2000, XP, 2003), PS Mac drivers ⁽⁸⁾ (OS 9.1, 9.2, 10.1, 10.2, 10.3)
Print languages (standard)	
HP Designjet 4000	HPGL/2, HP-RTL, TIFF, JPEG, CALS-G4
HP Designjet 4000ps	Adobe® PostScript Level 3, Adobe® PDF 1.5, HPGL/2, HP-RTL, TIFF, JPEG, CALS-G4
Dimensions (w x d x h)	
Maximum	76 x 31.5 x 53.2 in (1930 x 800 x 1350 mm)
Shipping	83.9 x 28 x 47.8 in (2130 x 710 x 1215 mm)
Weight	
Printer	253 lb (115 kg)
Shipping	387.8 lb (175.9 kg)
What's in the box	
HP Designjet 4000 Printer	HP Designjet 4000 Printer, Stand & Bin, Setup Poster, User's Documentation CD, software setup for Windows & Mac CD, Quick Reference Guide and Holder, Media sample, Maintenance Kit, Power Cord, 3-inch Spindle Adaptor, Printheads (8), Printhead Cleaners (8), Ink Cartridges (4), Customer Service Guide
HP Designjet 4000ps Printer	HP Designjet 4000ps Printer, Stand & Bin, Setup Poster, User's Documentation CD, software setup for Windows & Mac CD, Quick Reference Guide and holder, Media sample, Maintenance Kit, Power Cord, 3-inch Spindle Adaptor, Printheads (8), Printhead Cleaners (8), Ink Cartridges (4), Customer Service Guide, Taiwan PostScript Fonts (for Taiwan localization only).
HP Designjet 4000ps Printer	

⁽¹⁾ Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.

⁽²⁾ Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.

⁽³⁾ Multicopy printing. Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.

⁽⁴⁾ From 1200 x 1200 input dpi.

⁽⁵⁾ ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0 printing material in Best or Normal mode with HP Matte Film.

⁽⁶⁾ TCP/IP support only.

⁽⁷⁾ TCP/IP, AppleTalk, DIC/LIC and IPX/SPX protocols

⁽⁸⁾ Only supported through the HP Designjet 4000ps Printer

Environmental ranges

Operating temperature	41 to 104° F/ 5 to 40° 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	53 dB(A)
Sound pressure, standby	39 dB(A)
Sound power, active	7.0 B(A)
Sound power, standby	5.7 B(A)

Power consumption

Maximum	500 watts
Standby	105 watts

Power requirements

Input voltage 100 to 127/220 to 240 VAC (+/- 10%) auto range,

6/3 amp maximum, 50/60 Hz (+/- 3 Hz)

Power certification

Safety certification	Compliant with IEC 60950, including EU LVD and EN60950, CSA certified for US and Canada, Mexico NYCE, Argentina IRAM, Singapore PSB, Russia VNIIS, Poland EL TEST
Electromagnetic compatibility	Compliant with Class A requirements including EU (EMC Directive), USA (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoCo, Japan (VCCI), Korea (MIC), Taiwan (BSMI)
Energy Star compliant	Yes

Warranty

One-year next-business-day on-site

Accessories

HP Designjet Roll Feed Spindle 42 inch (Q5675A), HP Jeldirect 40d Gigabit Print Server for the Designjet 4000 Printer series (Q5679A), HP Designjet 4000 Printer series High Speed USB 2.0 card (Q5680A), HP Designjet 4000 Printer series 256 MB Memory Upgrade (Q5673A), HP Jeldirect 620n LAN card (J7934A)

Service and support

Care packs	H7604A/E HP Installation Service (1 unit) H4518A/E HP Network Installation Service (1 unit) H5655A/E HP Next Business Day Onsite Hardware Support, 3 years H2815A/E HP 4 hour response 9x5 Onsite Hardware Support, 3 years H2816A/E HP 4 hour response 13x5 Onsite Hardware Support - onsite in 4 hours, 3 years H4608PA/PE HP Next Business Day Onsite Hardware Support, 1 year post warranty H4934PA/PE HP 4 hour response 9x5 Same-Day Onsite Hardware Support, 1 year post warranty H5730PA/PE HP 4 hour response 13x5 Onsite Hardware Support, 1 year post warranty
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For more information visit our website at
www.hp.com/go/designjet4000

Ordering information

Product number

Q1273A HP Designjet 4000 Printer
Q1274A HP Designjet 4000ps Printer

Accessories

Q5675A HP Designjet Roll Feed Spindle 42 inch
Q5680A HP Designjet 4000 Printer series High Speed USB 2.0 card
Q5673A HP Designjet 4000 Printer series 256 MB Memory Upgrade

Network and software

Q5679A HP Jeldirect 40d Gigabit Print Server for the Designjet 4000 Printer series
J7934A HP Jeldirect 620n LAN card

Ink supplies

C5054A HP 90 Black Printhead and Cleaner
C5055A HP 90 Cyan Printhead and Cleaner
C5056A HP 90 Magenta Printhead and Cleaner
C5057A HP 90 Yellow Printhead and Cleaner
C5060A HP 90 Cyan Ink Cartridge, 225ml
C5062A HP 90 Magenta Ink Cartridge, 225ml
C5064A HP 90 Yellow Ink Cartridge, 225ml
C5058A HP 90 Black Ink Cartridge, 400ml
C5061A HP 90 Cyan Ink Cartridge, 400ml
C5063A HP 90 Magenta Ink Cartridge, 400ml
C5065A HP 90 Yellow Ink Cartridge, 400ml
C5082A HP 90 Black Ink Cartridges, 400ml, 3-Ink Multipack
C5083A HP 90 Cyan Ink Cartridges, 400ml, 3-Ink Multipack
C5084A HP 90 Magenta Ink Cartridges, 400ml, 3-Ink Multipack
C5085A HP 90 Yellow Ink Cartridges, 400ml, 3-Ink Multipack
C5078A HP 90 Black Printhead/Cleaner & Ink Cartridge, 400ml, Value Pack
C5079A HP 90 Cyan Printhead/Cleaner & Ink Cartridge, 400ml, Value Pack
C5080A HP 90 Magenta PH/Cleaner & Ink Cartridge, 400ml, Value Pack
C5081A HP 90 Yellow Printhead/Cleaner & Ink Cartridge, 400ml, Value Pack

Media

Q1397A HP Universal Inkjet Bond Paper (150 ft x 36 in)(45.7 m x 914 mm)
C1861A HP Bright White Inkjet Bond Paper (150 ft x 36 in)(45.7 m x 914 mm)(NA and LAR only)
C6036A HP Bright White Inkjet Bond Paper (150 ft x 36 in)(45.7 m x 914 mm)(AP and EMEA only)
C6020B HP Coated Paper (150 ft x 36 in)(45.7 m x 914 mm)
C6030C HP Heavyweight Coated Paper (100 ft x 36 in)(30.5 m x 914 mm)
C3868A HP Natural Tracing Paper (150 ft x 36 in)(45.7 m x 914 mm)
C3859A HP Translucent Bond (150 ft x 36 in)(45.7 m x 914 mm)
C3861A HP Vellum (150 ft x 36 in)(45.7 m x 914 mm)
C3875A HP Clear Film (75 ft x 36 in)(22.9 m x 914 mm)(NA, LAR, EMEA, AP only)
51642B HP Matte Film (125 ft x 36 in)(38.1 m x 914 mm)
Q1427A HP Universal High-Gloss Photo Paper (100 ft x 36 in)(30.5 m x 914 mm)
Q1938A HP Productivity Photo Gloss (100 ft x 36 in)(30.5 m x 610 mm)(NA, EMEA, AP only)
Q1943A HP Productivity Photo Semi-Gloss (100 ft x 36 in)(30.5 m x 1067 mm)(NA, EMEA, AP only)
C7946A HP Photo Paper RC Matte (100 ft x 36 in) (30.5 m x 914 mm)(NA, EMEA, AP (excluding JP) only)
C7952A HP Proofing Paper RC Satin (75 ft x 36 in) (22.9 m x 914 mm) (NA, EMEA, AP (excluding JP) only)
Q1421A HP Universal Semi-gloss Photo Paper (100 ft x 36 in) (30.5 m x 914 m)

A complete list of supplies for the HP Designjet 4000 Printer series is available at www.hp.com/go/supplies



HP Designjet 4500 Printer series



Maximize productivity with the HP Designjet 4500 Printer series: Large input and output capacity for unattended printer operation plus optional high performance scanning/copying make it the ideal color production system for technical applications.

Unattended color production at low cost

- **Large input and output capacity.** The HP Designjet 4500 Printer series has large, flexible input capacity, with two rolls to allow for different media types or sizes, as well as fast automatic roll switching and long roll support up to 500ft (US) and up to 175m (Europe). It also features large output capacity, with an optional stacker capable of flattening and stacking up to 200 plots.
- **New HP 90 Extra-large 775cc Black Ink Cartridge and 3-ink Cartridge Multipack.** The HP Designjet 4500 series provides greater convenience and fewer interruptions for environments that produce a high volume of line drawings. 3-ink Cartridge Multipacks and Value packs for each color lower the overall printer costs.
- **No need for trimming with small margin printing.** Ready-to-use prints: The HP Designjet 4500 Printer series creates CAD prints with 0.2in/5mm margins, so there's no need for trimming.
- **Low support costs.** Count on the world-renowned reliability of HP printers and printing supplies to reduce your support costs and increase uptime.

Superior lines and images

- **Accurate lines and high image quality.** With the ability to deliver up to 2400 x 1200 dpi and 0.1% line accuracy, the HP Designjet 4500 Printer series creates sharp, professional-quality images. And patented dyebased color and pigment-based black HP inks produce accurate lines and images to perfect the job.
- **HP Professional color technologies.** The HP Designjet 4500 Printer series helps you get the right colors on the first print by employing a range of HP's Professional color technologies, including: enhanced sRGB printing and AdobeRGB, Closed Loop Color, TIFF and JPEG with embedded ICC profiles, offset emulation, HP CMYK Plus, Black Point compensation, and Pantone calibration (PS only).
- **Exceptional output quality enabled by HP media.** HP Universal Inkjet Bond paper features industry-leading whiteness for a value bond paper with crisp line resolution and high color-contrast prints. Use HP Super Heavyweight Plus Matte Paper to deliver ripple-free, photorealistic graphics at productive printer speeds and an affordable price and HP Universal Instant-dry Photo Media for immediate lamination and post-printing processing, saving time and money.



Double your print capacity ⁽¹⁾

- **HP Double Swath Technology - twice the performance in color and black and white.⁽¹⁾** Two long-life HP printheads for each color deliver a wide print swath and a higher firing frequency that enables fast printing. Get 2 D/A1-size prints in color and black and white in less than 1 minute⁽²⁾. The embedded processor delivers fast, simultaneous processing and printing up to 100 D/A1-size prints per hour.⁽³⁾
- **Driverless multi-file printing.** Save time with the driverless multi-file printing workflow that is operating system independent and simply requires a TCP/IP connection and a standard Web browser. Experience support for a wide range of formats, including TIFF, JPEG, CALS/G4, HP-RTL, HP-GL/2, as well as Adobe® PostScript Level 3 and PDF 1.5 to help you quickly and accurately finish any job.
- **Fast, simultaneous processing.** Experience fast, simultaneous processing and printing thanks to the embedded processor. This robust series comes equipped with 256 MB of memory that can be expanded up to 512 MB for excellent performance on even your most complex jobs.

Easy-to-use integrated solution

- **Integrated copy system.** The integrated copy system of the HP Designjet 4500mfp features realtime printer, media, and queue information in the scanner user interface along with copy accounting in the printer, and copy job priority capability.
- **Outstanding copy and scan performance.** With scan speed of 3 inches per second color and 10 inches per second black and white, 2 D/A1-size prints in less than 1 minute⁽²⁾, and excellent image quality (508 dpi optical resolution), the HP Designjet 4500mfp delivers outstanding copy and scan performance.
- **Remote printer management and extended accounting support.** The HP Designjet 4500 Printer series comes with the HP Embedded Web Server, which lets you remotely manage printer, ink, and media usage. Plus, you can generate detailed usage reports by job, user, project, or even type of print and automatically send them for remote usage tracking or easy and accurate billing.

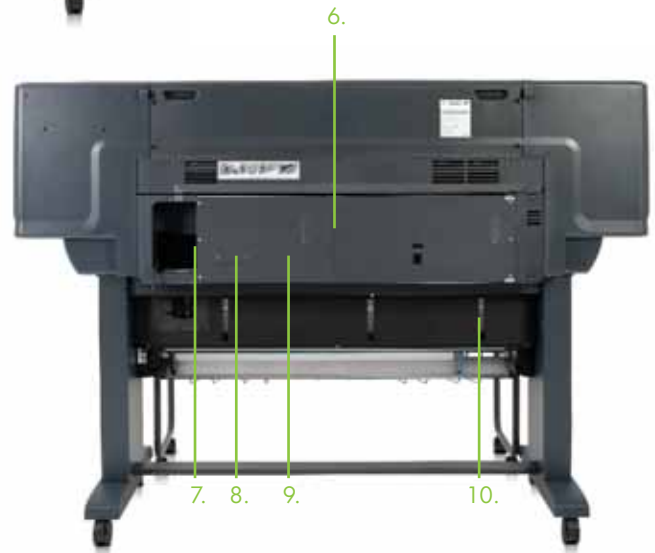
⁽¹⁾ Compared to any HP Designjet 600/700/800/1000 Printer series

⁽²⁾ Mechanical printing time. Speed indicated is maximum printer speed; speeds may vary based on printing conditions.

⁽³⁾ Multi-copy printing; total printing time.

HP Designjet 4500 Printer series

1. Ink supplies of 225 and 400 ml for CMY, and 400 and 775ml for K.
2. Accommodates 2 media rolls with long roll support up to 575 ft/ 175m.
3. Front panel with user friendly animations.
4. Color consistency and screen-to-print matching with HP Professional Color technologies.
5. Pairs of staggered printheads in the carriage mean the HP Designjet 4500 Printer series has double the print capacity of earlier models.*
6. HP Embedded Web server for driverless file submission, queue management, preview, supplies and printer status and error notification.
7. HP Embedded Jetdirect Print Server 10/100BT + 2 IEEE1394 (FireWire) ports.
8. EIO port for optional Jetdirect cards.
9. Embedded processor for simultaneous printing and processing. 256 MB memory expandable to 512 MB and 40 GB hard disk.
10. Equipped with a standard bin that holds 25 D/A1-size prints. An optional stacker is capable of flattening and stacking up to 200 plots.



* Compared to any HP Designjet 600/700/800/1000 Printer series



HP large black ink cartridge



HP long media roll



5 mm margins



HP Double Swath Technology

HP Designjet 4500 Printer

- Up to 42"/1067 mm wide
- 2400 x1200 dpi maximum resolution
- Two media rolls with long roll support up to 575 ft/175 meter
- Ink supplies of 225 and 400 ml for CMY, 400 and 775 ml for K
- Embedded processor and 256 MB memory expandable up to 512 MB. 40 GB hard disk
- Support for HP-GL/2, HP RTL, TIFF, JPEG, CALS G4

HP Designjet 4500ps Printer

All the features of the 4500 model, plus:

- Embedded RIP for Adobe® PostScript® Level 3, Adobe® PDF 1.5

HP Designjet 4500mfp Printer

All the features of the 4500 model, plus:

- Embedded RIP for Adobe® PostScript® Level 3, Adobe® PDF 1.5
- HP Designjet 4500 Scanner

Optional accessories

- HP Designjet 4500 Stacker
- HP Designjet 4500 Scanner (comes as standard with HP Designjet 4500mfp)
- HP Jetdirect 40d Gigabit Print server
- HP Designjet 4500 - 42in/1067mm Roll Feed Spindle
- High Speed USB 2.0 card
- 256 MB memory upgrade
- HP Jetdirect 620n LAN card

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 9x5 Onsite Hardware Support, 3 years
- HP 4 hour response 13x5 Onsite Hardware Support - onsite in 4 hours, 3 years
- HP Next Business Day Onsite Hardware Support, 1 year post warranty
- HP 4 hour response 9x5 Same-Day Onsite Hardware Support, 1 year post warranty
- HP 4 hour response 13x5

"With the Designjet 4500 you don't need to constantly check on the printer, instead you can do something else. We easily save 6 to 12 hours a week because of this."

John Jury,
Director, Reprographix

Full flexibility from the HP Designjet 4500 Printer series



HP Designjet 4500/4500ps printer



HP Designjet 4500/4500ps printer
+ optional stacker



HP Designjet 4500mfp



HP Designjet 4500mfp + optional stacker



More functionality with the HP Designjet 4500mfp

With scan speed of 3 inches per second color and 10 inches per second black and white, 2 D/A1-size prints in less than 1 minute (*), and excellent image quality (508 dpi optical resolution), the HP Designjet 4500 Printer series delivers outstanding copy and scan performance.

The Designjet's integrated copy system features realtime printer, media, and queue info in the scanner user interface, copy accounting in the printer, and copy job priority capability.

Integration with the printer enables excellent copy quality and performance.

An easy-to-use touch screen, easy color calibration, and easy print settings for printing sets make scanning and copying exceptionally user friendly.

It is easy to integrate with a wide variety of industry leading third-party applications such as scan, raster-to-vector-conversion or document management.

HP Designjet 4500 Stacker (optional)

The HP Designjet 4500 Stacker collects up to 200 D/A1 or E/A0 size plots and automatically flattens them, keeping them organized until you can gather them. Print unattended runs during business hours—and get more done—or overnight.

Free up production staff to work on multiple projects at once. The HP Designjet 4500 Stacker handles large black-and-white or color jobs without intervention. Unattended printing allows users to get more done.

Save time and collect your valuable, high-impact output as it prints with the HP Designjet 4500 Stacker. When you're ready to gather your output, it will be organized and waiting for you.

Neatly and cleanly collects all sizes and weights of printable media supported by the HP Designjet 4500 Printer series*, including HP Universal Inkjet Bond paper, HP Super Heavyweight Plus Matte Paper, and HP Universal Instant-dry Photo Media.

* Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.

* Stacker performance may vary depending on the media used.

HP Designjet 4500 Printer series

Technical specifications

Print speed	25 sec D/A1-size n, 93 sqm/hour n, 1000 sqft/hour n, up to 100 D/A1-size prints per hour n	
Resolution, maximum	Up to 2400 x 1200	
Line accuracy	+/- 0.1%	
Print margins	0.2 in/5 mm (Small); 0.45 in/11.5 mm (Normal); 2.1 in/55 mm (Extended)	
Printer media	0.2 in/5 mm (Small & Normal); 2.1 in/55 mm (Extended)	
Printer media	0.2 in/5 mm (Small & Normal); 0.6 in /15 mm (Extended)	
Printer media	All paths: up to 0.157 in/0.4 mm	
Printer media	All paths: 0.11 to 0.72 lb/50 to 328 g/m2	
Printer media	Rolls up to 42 in/1067 mm wide	
Printing	HP Thermal Inkjet	
Printing	HP Color Layering technology, HP PhotoREt III	
Printing	Black, cyan, magenta, yellow	
Printing	Black pigmented, CMY dye based	
Printing	5 pl color, 15 pl black	
Scan	Color (200 dpi); 3in/sec (76mm/sec);	
Scan	Best Mode: black&white 300 x 300 dpi, color 300 x 300 dpi	
Scan	Normal Mode: black&white 200 x 200 dpi, color 200 x 200 dpi	
Scan	42in/1067mm	
Scan	0.6 in /15 mm	
Scan	Black & white (200 dpi): 10in/sec (245mm/sec)	
Scan	Draft Mode: black&white 150 x 150 dpi, color 150 x 150 dpi	
Scan	Enhanced Mode: black&white 2400 x 2400 dpi, with variable resolution settings from 50 dpi in increments of 1 dpi	
Copying	300 x 300 dpi	
Copying	1 to 10,000%	
Copying	99	
Copying	Type of original, image crop and align preview, lightness, saturation and RGB controls, sharpen/blur, mirror copy, enlarge/reduce, paneling, tiling, nesting, and accounting	
Copying	256 MB (upgradeable to 512 MB), 40 GB hard disk	
Memory	Two automatic rolls, automatic roll-switching, automatic cutter	
Media Handling	Straight-through scan paper path for sheet and cardboard originals, output basket	
Media Types	Paper (plain, inkjet, coated, heavyweight coated, super heavyweight coated, semi-gloss, glossy, translucent bond, natural tracing, photo, vellum), film.	
Media 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	
Media Types	Paper (plain, inkjet, coated, heavyweight coated, super heavyweight coated, semi-gloss, translucent bond, natural tracing, photo, vellum) ⁴	
Connectivity	1 EIO slot, embedded Jeldirect, Fast Ethernet (10/100 Mbps), FireWire (IEEE 1394a-compliant)	
Connectivity	1 Fast Ethernet 10/100 Base-TX	
Connectivity	HP Jeldirect 620n LAN Card, HP Jeldirect 40d Gigabit Print Server for the HP Designjet 4000 Printer series, HP Designjet 4000 Printer series Hi-speed USB 2.0 card	
Connectivity	HPGL/2, HP-RTL Windows drivers, PS Windows drivers (HP Designjet 4500ps & HP Designjet 4500mfp only), ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix Metaframe environ-	
Connectivity	ments, PS driver for Mac OS X v 10.2.8, 10.3, 10.4	
Print languages (standard)	HPGL/2, HP-RTL, TIFF, JPEG, CALS-G4	
Print languages (standard)	Adobe PostScript Level 3, Adobe PDF 1.5, HP-GL/2, HP-RTL, TIFF, JPEG, CALS-G4	
Dimensions (h x d x w)	76 x 31.5 x 53.2 in /1930 x 800 x 1350 mm	
Dimensions (h x d x w)	70.8 x 40.2 x 54.3 in/1800 x 1020 x 1380 mm	
Dimensions (h x d x w)	83.9 x 30.5 x 52 in (EMEA) 83.9 x 30.5 x 74.4 in (CA, LAR, NA, AP)/ 2130 x 775 x 1320 mm (EMEA), 2130 x 775 x 1890 mm (CA, LAR, NA, AP	
Dimensions (h x d x w)	75.2 x 27.2 x 28.7 in /1910 x 690 x 730 mm	
Weight	408 lb/185 kg	
Weight	209.5 lb/95 kg	
Weight	501.1 lb (EMEA), 600.3 lb (CA, LAR, NA, AP) /227.3 kg (EMEA), 272.3 kg (CA, LAR, NA, AP) Shipping, scanner3: 321.9 lb /76 kg	
What's in the box	HP Designjet 4500 Printer, stand and basket assembly, Roll Module, Setup Poster, Documentation & Drivers CD, Quick Reference Guide and holder, media sample, maintenance kit, power cord, 3" spin-	
What's in the box	dle adaptor (4), printheads (8), printhead cleaners (8), ink cartridges (4), ink cartridge insert, ink printhead insert, Customer Service Guide	
What's in the box	All the features mentioned above, plus HP Designjet 4500 Scanner, Stand and basket assembly, Graphical Display, Keyboard, Power cables, FireWire cables (X2), Media guides (X2), Maintenance	
What's in the box	sheet, System recovery DVD, Maintenance kit, Plastic dust cover, Scanner Setup Poster, Scanner Quick Reference Guide, Customer service guide	

- (1) Mechanical printing time. Printed in fast mode on HP Bright White Inkjet paper (Bond.)
Speed indicated is maximum printer speed.
- (2) Multi-copy printing. Printed in Fast mode on HP Bright Inkjet paper (Bond). Speed indicated is maximum printer speed.

- (3) HP Designjet 4500mfp only.
- (4) The HP Designjet 4500 Stacker series does not support films, including HP Clear Film and HP Matte Film or other media with long drying time

Environmental ranges

Operating temperature

Recommended operating temperature

Storage temperature

Operating humidity

Recommended humidity

41 to 104° F/5 to 40° C

59 to 86° F/15 to 30° C

-4 to 131° F/-20 to 55° C

20 to 80% RH

25 to 75% RH

Acoustic

Sound pressure, active

Sound pressure, standby

Sound power, active

Sound power, standby

46 dB(A)

41 dB(A)

6.3 B(A)

5.8 B(A)

Power consumption

Maximum

500 watts, 800 watts³

Power requirements

Printers

Input voltage 100 to 127 VAC (+/- 10%), 6 amp; 220 to 240 VAC (+/- 10%), 3 amp;
50/60 Hz (+/- 3 Hz); auto range

100 to 240 VAC (+/- 10%), auto range, 50/60 Hz, 5 amp maximum³

Power certification

Safety certification

Compliant with IEC 60950, including EU LVD and EN60950, CSA-certified for US and Canada, Mexico NYCE, Argentina IRAM, Singapore PSB, Russia VNIIS, NEMKO, China CCC, Taiwan BSMI

Compliant with Class A requirements, including EU (EMC Directive), US (FCC rules), Canada (DoC), Australia (ACA), New Zealand (MoC), Japan (VCCI), Korea (MIC), Taiwan (BSMI)

Yes, No³

One-year next-business-day on-site

Warranty

Service and support

Care packs

HP Designjet 4500 and 4500ps

UD631A/E: 3 year Next-Day Onsite - onsite next day support

UD634A/E: 3 year 9x5 Same-Day Onsite - onsite support in 4 hours

UD637A/E: 3 year 13x5 Same-Day Onsite - onsite support in 4 hours

UD640PA/PE: Next day onsite - 1-Year post warranty

UD641PA/PE: 9x5 Same-day onsite - 1-Year post warranty

UD642PA/PE: 13x5 Same-day onsite - 1-Year post warranty

UD644A/E: 3 year Next-Day Onsite - onsite next day support

UD647A/E: 3 year 9x5 Same-Day Onsite - onsite support in 4 hours

UD694A/E: 3 year 13x5 Same-Day Onsite - onsite support in 4 hours

UD897RA/PE: Next-day onsite - 1-Year post warranty

UD898PA/PE: 9x5 Same-day onsite - 1-Year post warranty

UD899PA/PE: 13x5 Same-day onsite - 1-Year post warranty

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Ordering information

Product

Q1271A HP Designjet 4500 Printer

Q1272A HP Designjet 4500ps Printer

Q1276A HP Designjet 4500mfp

Accessories

Q5676A HP Designjet 4500 - 42 inch Roll Feed Spindle

Q5680A HP Designjet 4000 series High Speed USB 2.0 Card

Q5673A HP Designjet 4000 series 256 MB Memory Upgrade

Q5677A HP Designjet 4500 Stacker

J7934A HP Jeldirect 620n LAN card

Q5679A HP Jeldirect 40d Gigabit Print Server for the Designjet 4500 series

Q1277A HP Designjet 4500 Scanner (comes as standard with HP Designjet 4500mfp)

Ink supplies

C5054A HP 90 Black Printhead and Cleaner

C5055A HP 90 Cyan Printhead and Cleaner

C5056A HP 90 Magenta Printhead and Cleaner

C5057A HP 90 Yellow Printhead and Cleaner

C5058A HP 90 Black Ink Cartridge, 400 ml

C5059A HP 90 Black Ink Cartridge, 775 ml

C5060A HP 90 Cyan Ink Cartridge, 225 ml

C5061A HP 90 Cyan Ink Cartridge, 400 ml

C5062A HP 90 Magenta Ink Cartridge, 225 ml

C5063A HP 90 Magenta Ink Cartridge, 400 ml

C5064A HP 90 Yellow Ink Cartridge, 225 ml

C5065A HP 90 Yellow Ink Cartridge, 400 ml

C5078A HP Black Value Pack (Printhead & Cleaner + 400 ml Ink Cartridge)

C5079A HP Cyan Value Pack (Printhead & Cleaner + 400 ml Ink Cartridge)

C5080A HP Magenta Value Pack (Printhead & Cleaner + 400 ml Ink Cartridge)

C5081A HP Yellow Value Pack (Printhead & Cleaner + 400 ml Ink Cartridge)

C5082A HP 90 Black 3-Ink Cartridge Multipack (3 x 400 ml)

C5083A HP 90 Cyan 3-Ink Cartridge Multipack (3 x 400 ml)

C5084A HP 90 Magenta 3-Ink Cartridge Multipack (3 x 400 ml)

C5085A HP 90 Yellow 3-Ink Cartridge Multipack (3 x 400 ml)

C5095A HP 90 Black 3-Ink Cartridge Multipack (3 x 400 ml)

C5096A HP 90 Black Printhead Cleaner

Media supplies

C6810A HP Bright White Inkjet Bond Paper (36 in x 300 ft/914 mm x 91.4 m)

S1642B HP Matte Film (36 in x 125 ft/914 mm x 38 m)

Q868A HP Natural Tracing Paper (36 in x 150 ft/914 mm x 45.7 m)

Q3859A HP Translucent Bond (36 in x 150 ft/914 mm x 45.7 m) NA, LA, AP

Q6980A HP Coated Paper (36 in x 300 ft/914 mm x 91.4 m)

C6030C HP Heavyweight Coated Paper (36 in x 100 ft/914 mm x 30.48 m)

Q1956A HP Heavyweight Coated Paper (42 in x 150 ft/1067 mm x 46.7 m) NA & EMEA

Q6576A HP Universal Instant Dry Photo Gloss (42 in x 100 ft/1067 mm x 30.48 m)

Q6581A HP Universal Instant Dry Photo Semi-Gloss (42 in x 100 ft/1067 mm x 30.48 m)

Q8004A HP Universal Inkjet Bond Paper (A1, 594 mm x 915 m) EMEA & JP

Q8002A HP Universal Inkjet Bond Paper (36 in x 500 ft/914 mm x 152.4m)

Q8005A HP Universal Inkjet Bond Paper (A0, 841 mm x 91.5 m) EMEA & JP

Q1398A HP Universal Inkjet Bond Paper (42 in x 150 ft/1067 mm x 46.7 m) NA, EMEA, AP

Q1406A HP Universal Coated Paper (42 in x 150 ft/1067 mm x 46.7 m)

Q1414A HP Universal Heavyweight Coated Paper (42 in x 100 ft/1067 mm x 30.48 m) NA, EMEA, AP

Q6627A HP Super Heavyweight Plus Matte Paper (36 in x 100 ft/914 mm x 30.58 m) NA, EMEA, AP

Q6628A HP Super Heavyweight Plus Matte Paper (42 in x 100 ft/1067 mm x 30.48 m) NA, EMEA, AP

For more information, visit our website at

www.hp.com/go/designjet4500

