HP Designjet 4000 Printer series

+hp

Get high speed printing – with rich, high quality colour images and crisp, sharp black-and-white lines – at up to 100 A1 sheets per hour[1]. Print up to 1067 mm wide and benefit from low operational cost and easy control via remote printer management.

HP Designjet 4000 Printer

HP Designjet 4000ps Printer

For medium-sized and corporate companies – typically in the AEC, MCAD or GIS sectors or the graphics, prepress or publishing industries – with medium to high volume print requirements, who need to be able to increase print speeds – or capacity – as cost effectively as possible, without compromising on quality of output.

Print twice as fast as traditional large format printers[2], in both colour and black-and-white.

- Print at up to 100 x A1 per hour[1] with HP Double Swath Technology: two long-life printheads per colour – with 524 nozzles each – deliver twice the performance of traditional large format printers[2].
- Experience fast, simultaneous processing and printing with embedded processor – 256 MB of memory expandable to 512 MB.
- Save time with driverless multi-file printing workflow; formats supported include TIFF, JPEG, CALS, Adobe® PostScript® Level 3 and Adobe® PDF 1.5[3].

Produce superb quality outputs with rich, powerful colour and outstanding line accuracy.

- Produce high quality outputs – in colour and black-and-white – at up to 2400 x 1200 dpi resolution and up to ± 0.1% line accuracy.
- Be sure of excellent colour consistency and screen-to-print matching with HP Professional Color Technologies, including enhanced sRGB and AdobeRGB, Closed Loop Color (CLC), TIFF and JPEG with embedded ICC profiles.
- Output on a wide range of media types up to 1067 mm wide; holds rolls up to 91 m and includes bin for up to 50 A0-size prints.

Keep the running costs under control with easy remote management and ensure maximum uptime.

- Keep costs under control with efficient print engine, choice of cartridge sizes and long lasting, replaceable printheads.
- Monitor supplies status and ensure consistent print quality and reliability with HP Smart Printing Technology[4].
- Enjoy easy and effective remote printer management via HP Embedded Web Server; reset priorities, reprint stored jobs, preview jobs, monitor ink and media consumption with job accounting feature.
- Configure, monitor and troubleshoot via intuitive, browser-based HP Web Jetadmin Software.

[1] Multi-copy printing. Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.
[2] Compared to any HP Designjet 600/700/800/1000 Printer series.
[3] Only HP Designjet 4000ps supports Adobe® PostScript® Level 3 and Adobe® PDF 1.5.
[4] Using genuine HP supplies ensures availability of all HP printing features.

Technical specifications

Print technology	HP Thermal Inkjet
Print head nozzles	524 (512 steady state) (Up to 1,002 nozzles per colour in Double Swath configuration)
Print quality	Up to 2400 x 1200 optimised dpi from 1200 x 1200 dpi input on glossy media
Line accuracy	± 0.1%
Minimum line width	HP Designjet 4000 Printer: 0.02 mm HP Designjet 4000ps Printer: 0.02 mm (PS: 0.04 mm)
Colour technology	HP Color Layering technology, PhotoREt III
Memory	256 MB (main memory), 96 MB (imaging memory) 40 GB expandable to 512 MB through a 256 MB Designjet qualified DIMM using Dual data rate DRAM technology (DDR) to maximise memory. Maximum: 512 MB
Speed	25 seconds per A1/D[1] 1.5 m² per minute[2] 100 A1/D formats per hour[3] [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] Multi-copy printing. Printed in Fast mode on HP Bright White Inkjet Paper (Bond). Speed indicated is maximum printer speed.
Printer languages	HP Designjet 4000 Printer: HP-GL/2, HP-RTL, TIFF, JPEG, CALS-G4 HP Designjet 4000ps Printer: Adobe® PostScript® Level 3, Adobe® PDF 1.5, HP-GL/2, HP-RTL,TIF, JPEG, CALS-G4
Media sizes	Standard: A3, A2, A1, A0 (sheets and rolls up to 1067 mm wide)
Maximum media length	Roll: HP Designjet 4000 Printer: 91 m (application dependent)
Maximum media width	1067 mm
Media types	Paper (plain, inkjet, coated, heavyweight coated, semi-gloss, glossy, translucent bond, natural tracing, photo, vellum), film, canvas
Maximum print length	91 m (application dependent)
Media handling, document finishing	Manual single sheetfed, manual roll feed, automatic cutter
Drivers included	HP-GL/2 , HP-RTL Windows® drivers, PS Windows drivers[4], ADI driver for AutoCAD R14, support for AutoCAD 200x, support for Citrix MetaFrame environments, PS driver[4] for Mac OS 9.1, 9.2, 10.1, 10.2, 10.3 [4] Only supported through the HP Designjet 4000ps Printer
Interface and connectivity	Standard: Fast Ethernet (10/100 Mbps), FireWire (IEEE-1394a compliant), 1 EIO slot Optional: HP Jetdirect 40d Gigabit Print Server for the HP Designjet 4000 Printer series, HP Designjet 4000 Printer series High Speed USB 2.0 card, HP Jetdirect 620n LAN Card, HP Jetdirect 625n LAN Card
Operating systems compatibility	Standard: Windows NT® 4.0 Workstation, NT 4.0 Server, 98, 2000, Me, XP, Server 2003, Mac OS 9.1, 9.2, 10.1, 10.2, 10.3 Optional: Novell™ NetWare and AppleTalk (not OS) available through Jetdirect Latest driver upgrade information available on http://www.designjet.hp.com
Network operating systems compatibility	Windows NT® 4.0 Workstation, NT 4.0 Server, 98, 2000, Me, XP, Server 2003, Mac OS 9.1, 9.2, 10.1, 10.2, 10.3, Citrix MetaFrame
Minimum system requirements	Microsoft® Windows® 98, Me: Pentium® I, 133 MHz, 48 MB RAM, 300 MB available hard disk space; Windows NT® 4.0: Pentium II, 300 MHz, 64 MB RAM, 400 MB available hard disk space; Windows 2000, 2003 Server: Pentium II, 300 MHz, 128 MB RAM, 400 MB available hard disk space; Windows XP: Pentium III, 733 MHz, 128 MB RAM, 400 MB available hard disk space iMac G3, G4, G5 dual processor, iBook, PowerBook, eMac; Mac OS 9.1, OS X v 10.1.5; 128 MB RAM, 256 MB available hard disk space
Recommended system requirements	Microsoft® Windows® 98, Me: Pentium® I, 133 MHz, 64 MB RAM, 320 MB available hard disk space; Windows NT® 4.0: Pentium III, 733 MHz, 128 MB RAM, 2 GB available hard disk space; Windows 2000, 2003 Server: 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 v 9.2, Mac OS X v 10.1.5, 10.2.2 and higher 10.3, 1 GHz PowerPC G4, 256 MB, 512 MB available hard disk space
Software included	HP Designjet Windows Software, HP Designjet Macintosh Software
Control panel	Monochrome, illuminated and graphical LCD display area; 2 LEDs: Power, Status; 8 keys: Power, Reset, Form Feed and Cut, Cancel, Up, Down, Back, Select; 1 basic On/Off buzzer
Power requirements	Input voltage 100 to 127/220 to 240 VAC (± 10%) auto range, 6/3 amp maximum, 50/60 Hz (± 3 Hz)
Power supply	Type: Built-in universal power supply
Power consumption	500 watts maximum
Dimensions (w x d x h)	Out of package: 1930 x 800 x 1350 mm; packaged: 2130 x 710 x 1215 mm
Weight	Out of package: 115 kg; packaged: 175.9 kg
Printer management	HP Embedded Web Server
Operating environment	Environmental ranges: Operating temperature: 5 to 40° C, recommended operating temperature: 15 to 30° C, operating humidity: 20 to 80% RH, recommended operating humidity: 25 to 75% RH, storage temperature: -20 to 55° C, storage humidity: 0 to 95% RH. Noise level per ISO 9296, sound power: LwAd 7 B(A), sound pressure: LpAm 53 dB(A)
Product Certifications	Safety certifications: Compliant with IEC 60950, including EU LVD and EN 60950, CSA certified for US and Canada, Mexico NYCE, Argentina IRAM, Singapore PSB, Russia VNIIS, Poland EL TEST. EMC certifications: 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). Energy Star®
Warranty	One-year next business-day on-site

Ordering information

Q1273A	HP Designjet 4000 Printer, stand and bin, setup poster, user's documentation CD, software set up for Windows® and Mac CD, quick reference guide and holder, media sample, maintenance kit, power cord, spindle adaptor (3-in), printheads (8), printhead cleaners (8), ink cartridges (4), customer service guide
Q1274A	HP Designjet 4000ps Printer, as above plus: Taiwan Postscript fonts (for Taiwan localisation only)

Paper handling

Q5675A	HP Designjet Roll Feed Spindle 42"

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/C5061A	HP 90 Cyan Ink Cartridge, 225ml/400ml
C5062A/C5063A	HP 90 Magenta Ink Cartridge, 225ml/400ml
C5064A/C5065A	HP 90 Yellow Ink Cartridge, 225ml/400ml
C5058A	HP 90 Black 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 Printhead/ Cleaner & Ink Cartridge, 400ml, Value Pack
C5081A	HP 90 Yellow Printhead/ Cleaner & Ink Cartridge, 400ml, Value Pack

Memory

Q5673A	HP Designjet 4000 Printer series 256 MB Memory Upgrade

Connectivity

Q5679A	HP Jetdirect 40d Gigabit Print Server for the HP Designjet 4000 Printer series
Q5680A	HP Designjet 4000 Printer series High Speed USB 2.0 Card

Service & support

H4518A/E	Installation
H5655A/E	HP Care Pack, next day on-site, 3 years
H2816A/E	HP Care Pack, same day on-site, 3 years
H4608PA/PE	HP Care Pack, post warranty, next day on-site, 1 year

http://www.hp.com   http://www.hp.com/go/designjet

Published in EMEA 11/04 5982-7864EEE