HP Designjet 4500 Printer series

Technical specifications

Print speed	25 sec D/A1-size [1], 93 m²/hr[2], 1000 ft²/hr [2], up to 100 D/A1-size prints per hour [3]
Resolution, maximum	Up to 2400 x 1200 optimized dpi
Line accuracy	+/- 0.1% [4]
Print margins	
Top	0.2 in/5 mm (Small); 0.45 in/11.5 mm (Normal); 2.1 in/55 mm (Extended)
Bottom	0.2 in/5 mm (Small and Normal); 2.1 in/55 mm (Extended)
Side	0.2 in/5 mm (Small and Normal); 0.6 in /15 mm (Extended)
Printer media	
Thickness	Up to 0.157 in/0.4 mm
Weight	0.11 to 0.72 lb/50 to 328 g/m²
Size	Rolls up to 42 in/1067 mm wide
Print	
Technology	HP Thermal Inkjet
Technology resolution	HP Color Layering technology, HP PhotoREt III
Print cartridge colors	Black, cyan, magenta, yellow
Ink types	Black pigmented, CMY dye-based
Ink drop	5 pl color, 15 pl black
Scan[5]	
Speed	**Color (200 dpi/400 dpi Turbo):** 3 in/sec (76 mm/sec)
	Black-and-white (200 dpi/400 dpi Turbo): 10 in/sec (254 mm/sec)
Resolution	**Best mode:** color and black-and-white 300 x 300 dpi
	Normal mode: color and black-and-white 200 x 200 dpi
	Draft mode: color and black-and-white 150 x 150 dpi
	Enhanced mode: color and black-and-white 9600 x 9600 dpi, with variable resolution settings from 50 dpi in increments of 1 dpi
Max. Scan Width	42 in/1067 mm
Max. Scan Thickness	0.6 in /15 mm
Memory	256 MB (upgradeable to 512 MB), 40 GB hard disk
Media Handling	
Printers	Two automatic rolls, automatic roll-switching, automatic cutter
Scanner[5]	Straight-through scan paper path for sheet and cardboard originals
Media Types	
Printers	Paper (plain, inkjet, coated, heavyweight coated, super heavyweight coated, semi-gloss, glossy, translucent bond, natural tracing, photo, vellum), film.
Scanner[5]	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
Stacker	Paper (plain, inkjet, coated, heavyweight coated, super heavyweight coated, semi-gloss, translucent bond, natural tracing, photo, vellum) [6]
Connectivity	
Interfaces Standard: Printers	1 EIO slot, embedded Jetdirect, Fast Ethernet (10/100 Mbps), FireWire (IEEE 1394a-compliant)
Interfaces Standard: Scanner[5]	1 Fast Ethernet 10/100 Base-TX
Interfaces Optional	HP Jetdirect 620n LAN Card, HP Jetdirect 40d Gigabit Print Server for the HP Designjet 4000 Printer series, HP Designjet 4000 Printer series Hi-speed USB 2.0 card
Drivers (included)	HP-GL/2, HP-RTL Windows drivers, PS Windows drivers (HP Designjet 4500ps Printer and HP Designjet 4500mfp only), Optimized Windows driver for AutoCAD 2000 and higher, support for Citrix MetaFrame environments, PS driver for Mac OS X
Print languages (standard)	
4500	HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4
4500ps & 4500mfp	Adobe PostScript 3, Adobe PDF 1.5, HP-GL/2, HP-RTL,TIF, JPEG, CALS G4
Dimensions (h x d x w)	
Maximum Printer	76 x 31.5 x 53.2 in /1930 x 800 x 1350 mm
Maximum Scanner[5]	70.8 x 40.2 x 54.3 in/1800 x 1020 x 1380 mm
Maximum Stacker	50.63 x 61.77 x 44.69 in /1286 x 1569 x 1135 mm
Shipping Printer	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)
Shipping Scanner[5]	75.2 x 27.2 x 28.7 in /1910 x 690 x 730 mm
Shipping Stacker	55.1 x 31.9 x 23.6 in /1400 x 810 x 23.6 mm
Weight	
Printer	408 lb/185 kg
Scanner[5]	204 lb/92.5 kg
Stacker	116.84 lb/53 kg
Shipping Printer	501.1 lb (EMEA), 600.3 lb (CA, LAR, NA, AP) /227.3 kg (EMEA), 272.3 kg (CA, LAR, NA, AP)
Shipping Scanner[5]	316 lb/143.5 kg
Shipping Stacker	143.3 lb/65 kg
What's in the box	
HP Designjet 4500/4500ps	HP Designjet 4500 Printer, stand and basket assembly, roll module, setup poster, documentation and drivers CD, Quick Reference Guide and holder, media sample, maintenance kit, power cord, 3-in spindle adaptor (x4), printheads (x8), printhead cleaners (x8), ink cartridges (x4), ink cartridge insert, ink printhead insert, Customer Service Guide
HP Designjet 4500mfp	All the features mentioned above, plus HP Designjet 4500 Scanner, scanner stand, touchscreen (panel PC), keyboard, power cables, FireWire cables (x2), media guides (x2), maintenance sheet, system recovery DVD, maintenance kit, plastic dust cover, scanner setup poster, scanner Quick Reference Guide

(1 Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet paper (Bond). Speed indicated is maximum printer speed.
(2 Color image, Bandas_ckmy.jpg, based on plain paper, 41.53 x 42.36 in/1055 x 1076 mm (Fast mode), Optimize for Text/Drawings, Maximum Detail = Off
(3 Multi-copy printing; total printing time.
(4 ±0.1% of the specified vector length or ±0.1 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on E/A0 printing material in Best or Normal mode with HP Matte Film.
(5 HP Designjet 4500mfp only.
(6 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	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	46 dB(A)
Sound pressure, standby	41 dB(A)
Sound power, active	6.3 B(A)
Sound power, standby	5.8 B(A)
Power consumption	
Maximum	500 watts, 800 watts(5
Power requirements	
Printers	Input voltage 100 to 127 V ac (+/- 10%), 6 amp; 220 to 240 V ac (+/- 10%), 3 amp; 50/60 Hz (+/- 3 Hz); auto range
Scanner	100 to 240 V ac (+/- 10%), auto range, 50/60 Hz, 5 amp maximum
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
Electromagnetic compatibility	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® qualified models; see: http://www.hp.com/go/energystar
Warranty	One-year next-business-day on-site

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 - 1Year post warranty
	UD641PA/PE: 9x5 Same-day onsite - 1-Year post warranty
	UD642PA/PE: 13x5 Same-day onsite - 1-Year post warranty
HP Designjet 4500mfp	UD644A/E: 3 year Next-Day Onsite - onsite next day support
	UD647A/E: 3 year 9x5 Same-Day Onsite - onsite support in 4 hours
	UD894A/E: 3 year 13x5 Same-Day Onsite - onsite support in 4 hours
	UD897PA/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

Ordering information

Product

Q1271A	HP Designjet 4500 Printer
Q1272A	HP Designjet 4500ps Printer
Q1276A	HP Designjet 4500mfp

Accessories

Q5676A	HP Designjet 4500 42-in Roll Feed Spindle
Q5680A	HP Designjet High Speed USB 2.0 Card
Q5673A	HP Designjet 256 MB Memory Upgrade
Q5677A	HP Designjet 4500 Stacker 220V
Q5677B	HP Designjet 4500 Stacker 110V
J7934A	HP Jetdirect 620n Fast Ethernet Print Server
Q5679A	HP Jetdirect 40d Gigabit Print Server
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 3-Ink Black Cartridge Multipack - 400 ml
C5083A	HP 90 3-Ink Cyan Cartridge Multipack - 400 ml
C5084A	HP 90 3-Ink Magenta Cartridge Multipack - 400 ml
C5085A	HP 90 3-Ink Yellow Cartridge Multipack - 400 ml
C5095A	HP 90 3-Ink Black Cartridge Multipack - 775 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)
51642B	HP Matte Film (36 in x125 ft/914 mm x 38 m)
C3868A	HP Natural Tracing Paper (36 in x 150 ft/914 mm x 45.7 m)
C3859A	HP Translucent Bond (36 in x 150 ft/914 mm x 45.7 m) NA, LA, AP
C6980A	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 225 ft/1067 mm x 68.58 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 91.5 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

More HP media sizes and weights available at:
www.hp.com/go/designjet/supplies

For more information, visit our website at:
www.hp.com/go/designjet4500