

HP Designjet 800 Printer series



The HP Designjet 800/800PS Printer series is ideal for use in a range of industries including AED/CAD, GIS and graphic design/advertising. It delivers ultimate line and photo quality with continuous tones, smooth transitions and a wide colour gamut.



HP Designjet 800
(24-inch) Printer



HP Designjet 800ps
(24-inch) Printer



HP Designjet 800
(42-inch) Printer



HP Designjet 800ps
(42-inch) Printer

Graphic design studios, in-house graphic departments and advertising agencies.

Ultimate line and photo quality

Get ultimate photo quality with HP colour layering technology and up to 2400 dpi¹ resolution. Get ultimate line quality too – as thin as 0.04 mm and accurate to $\pm 0.2\%$ – with minuscule drops and continuous ink flow. Maximise your colour gamut – printer layers different colour ink drops over each other to create new colours. Professional colour management tools (PS model only) including automatic PANTONE® calibration, offset-printing press emulations and ICC profiles for Mac and Windows.

'Virtual computer' inside

Embedded Adobe® PostScript® 3™ RIP (for the ps models), with drivers for Macintosh® and Windows®. Your computer is immediately freed by a 'virtual computer' inside the printer. Embedded HP-GL/2 processor, with drivers for AutoCAD® and Windows®. 6 GB hard disk and 96 MB of RAM, expandable up to 160 MB. Powerful network card: HP JetDirect 10/100Base-TX print server, as well as USB 1.1 and parallel ports.

Fast and efficient printing

Maximise your print efficiency with easy-to-install drivers, a fast-change ink-set, straight-forward media loading and an intuitive control panel. Enjoy unattended printing with 69 cc ink cartridges, long-life printheads, 45.7 m media rolls, automatic cutting and stacking (optional on 24-inch model). Robust printer for workgroups of 3 to 10 people, with print times as short as 60 seconds for A1-size prints. Three portrait A3+ images fit side by side on the 42-inch model.

¹ 2400 dpi x 1200 dpi on glossy media.

Technical specifications

Print technology	HP Color thermal inkjet
Print quality	2400 x 1200 dpi (glossy media)
Colour technology	ColorSync 3.0 (only Mac drivers)
Number of inks	4 cartridges (1 each black, cyan, magenta, yellow)
Ink types	Pigmented black, dye-based colour
Print speed	Economic quality: 7.9 m ² /hr. Productivity quality: 3.3 m ² /hr. Photo quality: 2 m ² /hr
Line	Line accuracy: +/- 0.2 % or 0.38 mm whichever is greater at 23 °C, 50/60% RH on HP Special polyester film. Minimum width: 0.0423 mm
Print languages	Adobe® PostScript® 3 (for Designjet 800ps), HP-GL/2, HP RTL, CALS G4, TIFF and JPEG files (from UNIX, Linux and Microsoft® Windows® NT via ZEHraster Plus)
Memory	Standard : 800 (24 in): 96 MB RAM and 6 GB hard disk; 800ps (24 in): 160 MB RAM and 6 GB hard disk; 800 (42 in): 96 MB RAM and 6 GB hard disk; 800ps (42 in): 160 MB RAM and 6 GB hard disk; maximum : 160 MB RAM and 6 GB hard disk
Media types	Coated and glossy papers, technical media and more
Media sizes	Standard: 800 (24 in): ISO A1, ISO A2, ISO A3, ISO A4, ISO B1, ISO B2, ISO B3, ISO B4, DIN C0, DIN C1, DIN C2, DIN C3, DIN C4, JIS B4, JIS B3, JIS B2, JIS B1; 800ps (24 in): ISO A1, ISO A2, ISO A3, ISO A4, ISO B1, ISO B2, ISO B3, ISO B4, DIN C0, DIN C1, DIN C2, DIN C3, DIN C4, JIS B4, JIS B3, JIS B2, JIS B1; 800 (42 in): ISO A0, ISO A1, ISO A2, ISO A3, ISO A4, ISO B1, ISO B2, ISO B3, ISO B4, DIN C0, DIN C1, DIN C2, DIN C3, DIN C4, JIS B4, JIS B3, JIS B2, JIS B1, JIS B0. Custom: 800 (24 in): Any custom size, bigger than 210 x 210 mm and shorter than 610 x 15240 mm; 800ps (24 in): Any custom size, bigger than 210 x 210 mm and shorter than 610 x 15240 mm; 800 (42 in): Any custom size, bigger than 210 x 210 mm and shorter than 1067 x 15240 mm (42 x 610 inch); 800ps (42 in): Any custom size, bigger than 210 x 210 mm and smaller than 1067 x 15240 mm
Maximum media length	Roll: 45 m. Sheet: 1897 mm
Maximum media width	Sheet and Roll: 610 mm
Maximum print length	15.2 m
Media handling	Single sheet-feed, roll-feed, automatic cutter
Interface and connectivity	Standard: Built-in 10/100 Base TX Ethernet/Fast Ethernet print server with 1 RJ-45 port; 1 Hi-Speed USB 2.0 port. Optional: HP Jetdirect 600n (EIO) internal print servers
Drivers included	Windows® applications: Windows® (95, 98, NT 4.0 and 2000); PostScript: Windows® (95, NT® 4.0) without USB, Windows® (98, 2000); Mac OS 8.1 or later; AutoCAD: AutoCAD 2000 and Releases 13, 14 for Windows®; UNIX®: TIFF and JPEG files are accepted via ZEHraster Plus software, supplied with the printer
Software	Postscript drivers for Microsoft® Windows® (95, NT 4.0) without USB, Microsoft® Windows® (98, 2000) with USB (compatible with USB 2.0 specifications), Macintosh (OS 8.1 or later), drivers for Microsoft® Windows® (95, 98, NT 4.0 and 2000), drivers for AutoCAD 2000 and R 13, 14 for Microsoft® Windows® - for UNIX, TIFF and JPEG, files are accepted via ZEHraster Plus software, supplied with the printer.
Operating systems compatibility	Microsoft® Windows® (95, NT 4.0) without USB (compatible with USB 2.0 specifications), Microsoft® Windows (98, 2000), Mac OS 8.1 or later, ZehRaster for UNIX®
Network operating systems compatibility	Novell® NetWare v3.11, 3.12, 4.X, 5.0; NDS (IPX/SPX); NDPS (TCP/IP, IPX/SPX), Microsoft® Windows® 95; Windows 98; (TCP/IP, IPX/SPX); Microsoft Windows NT® 4.0; (TCP/IP, IPX/SPX, DLC/LLC); Microsoft Windows 2000, IBM® OS/2 Warp v3.0, 4.0; (TCP/IP, DLC/LLC), HP-UX v10.X, 11.x; Sun Solaris™ 2.5x, 2.6; IBM AIX v3.2.5 and later, MPE-iX v5.5 (TCP/IP), Line Printer Daemon (lpd), Apple System 7.0 and later (EtherTalk), Artisoft LANtastic v7.0 (DLC/LLC), Internet Printing Protocol
Minimum system requirements	Microsoft® Windows® 95 or 98, Windows® NT or 2000; Mac OS 8.1 or later
Power	Requirements: 100 to 240 AC (+/- 10%) auto-ranging, 50/60 Hz, 3 amps maximum. Consumption: 150 watts maximum
Dimensions (w x d x h)	Out of package: 800 (24 in): 1253 x 470 x 349 mm; 800ps (24 in): 1253 x 470 x 349 mm; 800 (42 in): 1690 x 674 x 1100 mm; 800ps (42 in): 1690 x 674 x 1100 mm
Weight	Out of package: 800 (24 in): 38.5 kg; 800ps (24 in): 38.5 kg; 800 (42 in): 45 kg; 800ps (42 in): 45 kg
Operating environment	Operating temperature: 5 to 40° C. Recommended operating temperature: 15 to 35° C. Operating humidity: 20 to 80% RH. Operating humidity recommended: 15 to 80% RH. Storage temperature: -40 to 60° C. Noise level per ISO 9296: sound power: LwAd 65 dB(A) (ISO DP 7779). Sound pressure: LpAm 52 dB(A) (ISO DP 7779)
Certifications	Safety: Compliant with the requirements for ITE products: EU Low Voltage Directive, USA and Canada CSACertified for US & Canada, Mexico NOM-1-NYCE, Argentina IRAM, China CCIB & CCEE, Singapore PSB, Russia GOST, Poland PCBC.. EMC certifications: 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, Class A for Korea MIC, Taiwan BSMI.
Warranty	1 year warranty with free on-site, next business-day service, backed by HP support centres around the world. HP Supportpacks and service agreements allow you to extend your warranty to up to 5 years, and can provide around-the-clock service with a response time of within 4 hours, every day of the year (depending on the country)

Ordering information

C7779B HP Designjet 800 printer with built-in HP Jetdirect WIO 10/100 Internal Print Server, spindle, power cord, ink cartridges, printheads, roll of media, HP-GL/2, AutoCAD, ZEHraster Plus for UNIX, HP Install Network Wizard, user documentation

C7779C HP Designjet 800ps (24-inch) Printer as C7779B plus PostScript drivers

C7780B HP Designjet 800 (42-inch) Printer as C7779B plus printer stand, media bin

C7780C HP Designjet 800ps (42-inch) Printer as C7779B plus PostScript drivers, printer stand, media bin

Accessories

C2388A HP Designjet SIMM 128MB Memory Module

C2389A HP 24-inch Spindle

C7781A HP Stand & Bin (500/800 series)

Ink supplies

C4911A HP 82 69 ml Cyan Ink Cartridge

C4912A HP 82 69 ml Magenta Ink Cartridge

C4913A HP 82 69 ml Yellow Ink Cartridge

C4810A HP 11 Black Printhead

C4811A HP 11 Cyan Printhead

C4812A HP 11 Magenta Printhead

C4813A HP 11 Yellow Printhead

C4844A HP 10 Black Ink Cartridge - Prints approximately 1,430 to 1,750 pages based on 5% coverage (yield may vary based on printer model)

Connectivity

C2392A HP USB Cable (A-B) 5 Meter

Service & support

H4701A/E HP Care Pack, On-site Response Within 4 Hours Of Call (8am-9pm), 3-years

H5729A/E HP Care Pack, Next Business Day On-site Response, 3-years

For a complete list of supplies, accessories and services, please refer to <http://www.hp.com/go/designjet>

<http://www.hp.com/uk> <http://www.hp.com/go/designjet>



Published in EMEA 12/06 4AA0-8903EEE

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