



**hp designjet
815mfp**

hp designjet 815mfp

With three functions combined, the HP Designjet 815mfp can copy, scan, and print large documents in colour and black-and-white. All elements of the system are integrated to ensure a seamless workflow that saves workspace and is intuitive to operate.

Perfect for GIS users like cartographers, engineers in oil and gas exploration and mining, civil engineers, land planners and professionals in the utilities, telecommunication and government departments, who need to copy, scan and print large format documents with consistent colours, sharp, accurate contour lines and high image quality. The HP Designjet 815mfp's integrated design also makes it ideal for those print service providers who need an easy-to-use solution to expand their business.

Make light work of all your large format colour tasks with this fully integrated multifunction unit.

- Create copies of your oversized colour documents on paper or on electronic format with the latest scan software.
- Scan large illustrations, photos and drawings up to 1092 mm (43 inches) wide, and up to 15 mm (0.6 inch) thick.
- Scan originals with 424 ppi optical and 2400 ppi enhanced resolution and a line accuracy of 0.15%.
- Make precise copies at high quality resolution up to 2400 x 1200 dpi using HP Color Layering Technology.
- Print on a wide variety of media up to 1067mm (42 inches) width.

Increase efficiency with fast, accurate scanning so you can move on easily to the next task.

- Quickly digitise colour documents scans at 38 mm (1.5 inches) per second, and black-and-white scans at 76 mm (3.0 inches) per second*.
- Save scanned files on a CD or in the network for further manipulation using the most common file formats including PDF, TIFF or JPEG.
- Use advanced colour management, image enhancement and calibration features to get the best copies.
- Get perfect copies using colour correction features to sharpen, soften and blur the image and produce clean and crisp scans every time.

Easy and intuitive operation of the all-in-one functions lets you get going quickly.

- Get great results from the intuitive and user-friendly touch-screen display.
- The graphical interface takes you through each step to produce the type of document or file you need.
- Ensure maximum consistency between originals and copies with the automatic colour calibration.
- Features like a prints list application enable you to free up your time by printing scanned jobs in unattended batches.
- Use the multifunction system as a standalone device or easily plug it into your workflow.



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* Monochrome scanning: A1 image with black text graphics at 200 dpi; colour scanning: A1 fully inked colour image at 200 dpi, 24-bit RGB

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technical specifications

colour technology	Printer: HP Color Thermal Inkjet; scanner: closed-loop colour calibration			
print	Print resolution:	HP Color Layering Technology		
	Print head nozzles:	304		
	Print speed:	econofast (draft)	productivity	best quality
		Colour images	7.9 sq m/hr	3.3 sq m/hr
		A1 size media – black metric: 60 sec; colour metric: 90 sec		
	(Colour images speed on HP Coated Paper, black and white images speed on HP Bright White Inkjet Paper)			
	Maximum resolution:	2400 x 1200 dpi		
Standard media sizes:	ISO AO, ISO A1, ISO A2, ISO A3, ISO A4, JIS B4, JIS B3, JIS B2, JIS B1			
Custom media sizes:	210 to 1066 mm wide sheets; 609, 914, and 1066 mm rolls			
Maximum length of roll media:	45 m			
Maximum print length:	15.2 m			
scan	Technology:	Double tri-linear colour CCDs, 21.360 pixels (RGB triplets), 36-bits of data capture, all-digital cameras		
	Resolution:	Enhanced: 2400 x 2400 dpi, with variable resolution setting from 50 dpi in increments of 1 dpi; optical: 424 dpi		
	Bit depth:	24-bit colour		
	Linear scan speed:	Colour (200 dpi): 3.8 cm/sec; black and white (200 dpi): 7.6 cm/sec		
	Scan to print time:	20 sec		
	File formats:	PDF, TIFF, JPEG, CALSG4		
	Maximum scan size (w x l):	106.7 x unlimited cm; 42 x unlimited inches		
	Maximum document size (w x l):	109 x unlimited cm; 43 x unlimited inches		
	Output modes:	On the touch-screen: scan preview, scan to file/network, scan to CD-ROM, scan to print, collate copy, copy		
	copy	Copy settings:	Type of original, image crop and align preview, lightness, saturation and RGB controls, sharpen/blur, mirror copy, enlarge/reduce, panelling, tiling, nesting, accounting	
Reduce/Enlarge:		1 to 10000%		
operating systems compatibility	Printer: Microsoft® Windows® 95, 98, Me, NT 4.0, 2000, XP, Mac OS 9.X, Mac OS X, ZEHRAster for UNIX®; scanner: Microsoft Windows 95, 98, Me, NT 4.0, 2000, XP through Windows domain or FTP service, Mac OS 9.X and Mac OS X through FTP service, UNIX/Linux through FTP service			
standard memory	256 MB in the printer, 14 GB for scan jobs			
printer languages	Adobe® PostScript® 3™, HP-GL/2, HP RTL, CALS G4			
media types	Printer: bright white inkjet paper (bond), translucent bond, natural tracing paper, vellum, clear film, matt film, coated paper, heavyweight coated paper, high-gloss photo paper, semi-gloss photo paper, paper-based semi-gloss, satin poster paper, studio canvas, banners with Tyvek, colorfast adhesive vinyl; scanner: non-abrasive paper, vellum, mylar, sepia, blueprints, plastic film, plastic laminate, foam board, cardboard. (No plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, burned surfaces.)			
print margins	Lateral:	5 mm (default)		
	Leading/trailing:	17mm (default)		
media handling, document finishing	Printer: single-sheet feed, roll feed, automatic cutter, standard bin; scanner: straight through scan paper path for sheet and cardboard originals, all-wheel drive (contour adjustment, precision rollers)			
interface and connectivity	Printer: Centronics parallel IEEE 1284-compliant (ECP), HP Jetdirect 615n EIO internal print server for Fast Ethernet 10/100Base-TX; scanner: Fast Ethernet 10/100Base-TX network card			
software included	PostScript® drivers for Microsoft® Windows® (95,98, Me, NT 4.0, 2000 and XP), Macintosh OS 8.1 or later. HP-GL/2, HP RTL drivers for Microsoft Windows (95, 98, Me, NT 4.0, 2000 and XP). Drivers for AutoCAD 2000, R 13, R 14, for Windows. For UNIX®, TIFF and JPEG files are accepted via ZEHRAster Plus software, supplied with the printer; system recovery software for the scanning system including HP Macroinstaller with Microsoft Windows drivers for HP designjet 500, 800, 1000 and 5000 series printers.			
dimensions (w x d x h)	Out of package: 2214 x 840 x 1500 mm			
weight	Out of package: 180 kg. Packaged: 255 kg			
operating environment	Environmental ranges: operating temperature: 18 to 32° C, operating humidity: 20 to 80% RH, recommended operating humidity: 25 to 70% RH, recommended operating temperature: 18 to 32° C, storage temperature: -20 to 55° C, storage humidity: 20 to 80% RH, noise level per ISO 9296, sound power: 6.7 B(A), sound pressure: 52 dB(A, Energy Star®: Yes (printer only)			
certifications	Compliant with the requirements for Class A ITE products: EU (EMC Directive), USA (FCC Rules), Canada (DoC), Australia (ACA), New Zealand (MoC), Japan (VCCI), Taiwan (BSMI)			
warranty	1 year, next business-day, on-site warranty			

ordering information

q1279a hp designjet 815mfp including hp designjet 800ps printer, scanner, touch screen, keyboard, built-in hp jetdirect 615n for Fast Ethernet 10/100Base-TX network card, additional Fast Ethernet 10/100Base-TX network card, printer and scanner stands, media bin, spindle, power cords, ink cartridges, printheads, roll of media, print/scan/copy software, hp Macroinstaller with Microsoft® Windows® drivers for hp designjet 500, 800, 1000 and 5000 series printers, hp-GL/2, AutoCAD™ and Postscript drivers for windows, Postscript driver for Macintosh, ZEHRAster Plus for UNIX®, system recovery software CD, quick reference guide, setup poster, user documentation CD (interface cables must be ordered separately)

paper handling	
c2389a	hp 24-inch spindle
c2390a	hp 42-inch spindle

supplies	
c4844ae	hp no. 10 large black ink cartridge (69 ml)
c4911a	hp no. 82 cyan ink cartridge (69 ml)
c4912a	hp no. 82 magenta ink cartridge (69 ml)
c4913a	hp no. 82 yellow ink cartridge (69 ml)
c4810a	hp no. 11 long-life black printhead
c4811a	hp no. 11 long-life cyan printhead
c4812a	hp no. 11 long-life magenta printhead
c4813a	hp no. 11 long-life yellow printhead

media	
c6029c	hp heavyweight coated paper (130 g/m²)
q1426a	hp high-gloss photo paper-universal (179 g/m²)
q1420a	hp semi-gloss photo paper-universal (179 g/m²)
q1412a	hp heavyweight coated paper-universal (120 g/m²)
q1938a	hp productivity photo-gloss paper (245 g/m²)
q1943a	hp productivity photo semi-gloss paper (245 g/m²)

service and support	
u2006a/e	hp care pack, next day on-site repair, 3 years
h4515a/e	installation, including network configuration, 3 years

For a complete list of printing material and selection numbers, please refer to the HP website at <http://www.hp.com/go/designjet> and select "Printing Materials"



<http://www.hp.com>

For more information, please call your local HP sales office or representative: **Austria:** 0800 242 242, **Algeria:** (0)61 56 45 43, **Bahrain:** 800 728, **Belgium:** (078) 15 20 30 (0.0496 EUR/min), **Luxembourg:** (+352) 263 160 34, **Bulgaria:** (+359) 2960 1940, **Croatia and Slovenia:** (+385 1) 60 60 200, **Czech Republic:** (00 420 2) 261 108 108 (Prague), **Denmark:** 45991700 or 70101125, **Egypt:** 532 5222, **Estonia:** (+372) 6505 263, **Finland:** (+358) 0205350 or 0205 350, **France:** (1) 69 82 6060, **Germany:** 0180 532 6222 (12 Cent/min), **Greece:** (01) 678 96 00, **Hungary:** (+36) 1 382-1111, **Iceland:** (354) 570 1000, **Ireland:** + 353 1 6158200, **Israel:** (972) 9 8304848, **Italy:** (02) 92121, **Kazakhstan:** +7 (3272) 980 824, **Latvia:** (371) 800 80 12, **Lithuania:** (370) 2 787 333, **Middle East:** 00971 4 883 4427, **Morocco (African Region):** +212 22 40 47 47, **Netherlands:** (020) 5476666, **Norway:** 22 735600, **Poland:** infolinia: 0-800 122 622, **Portugal:** (808) 206 001, **Romania:** (+401) 205 3300, **RSA:** (27)11 785 1000, **Russia:** +7 (095) 797 35 00, **Saudi Arabia:** 800 124 4646, **Serbia/Montenegro:** +381 11 334 21 02, **Slovakia:** +421-2-50222111, **Spain:** (91) 6311600, **Sweden:** (08) 444 2000, **Switzerland:** 0848 88 44 66, **Tunisia:** 71 891 222, **Turkey:** +90 (216) 579 71 71, **UAE:** 8004910, **UK:** 08705 474747, **Ukraine:** +380 44 490 61 20.

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Printed in the EU 05/03
5981-6809EEE