



hp designjet
815mfp

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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 109.2 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 106.7mm (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
		Colour images 7.9 sq m/hr	3.3 sq m/hr
		A1 size media – black metric: 60 sec; colour metric: 90 sec	2 sq m/hr
	(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 A0, 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:	36-bit	
	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, CALS/G4	
	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, panning, 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, ZEHRRaster 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	Standard: Centronics parallel IEEE 1284-compliant (ECP), HP Jetdirect 615n EIO internal print server for Fast Ethernet 10/100Base-TX; scanner: additional Fast Ethernet 10/100Base-TX network card Drivers included: Microsoft® Windows® 95, 98, Me, NT 4.0, 2000, Macintosh OS 8.1 or later, AutoCAD™ 2000, R 13, R 14, for Windows; scanner: Microsoft Windows drivers for HP Designjet 500, 800, 1000 and 5000 series printers		
software included	PostScript® drivers for Microsoft® Windows® 95, 98, Me, NT 4.0, 2000, Macintosh OS 8.1 or later. HPGL/2-RTL drivers for Microsoft Windows 95, 98, Me, NT 4.0, 2000. Drivers for AutoCAD™ 2000, R 13 and 14 for Windows. For UNIX®, TIFF, and JPEG files are accepted via ZEHRRaster Plus software, supplied with the printer; system recovery software for the scanning system		
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, touch screen, keyboard, built-in hp jetdirect 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-GL/2, AutoCAD™ and PostScript® drivers for Windows®, PostScript® driver for Macintosh, ZEHRRaster Plus for UNIX®, hp install network wizard, system recovery software CD, quick reference guide, setup poster, user documentation CD

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

service and support

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



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