HP Designjet 815mfp
Large-format multi-functional printer

Fully integrated standalone solution
High performance
Ease-of-use

Now, your office can truly enjoy the benefits of an integrated large-format multi-function solution.

Digitise and archive your large-format originals by scanning directly to CD, file or network in photo-realistic colours, high quality grayscale and crisp black-and-white. Print and copy high quality outputs at ease with the user-friendly software via touch-screen graphical display and keyboard. The HP Designjet 815mfp handles CAD output, GIS, graphics, large-format originals effectively and professionally.

HP Designjet 815mfp

1. Colour copy and print up to 42-inch wide straight from the HP Designjet 815mfp. You can also remote print to other HP Designjet large-format printers (HP Designjet 500, 800, 1000 plus, 5000 and 5500 series) on the network.

2. Fully operable from panel PC. Access scan, copy and print functions straight from the user-friendly graphical touch-screen display and keyboard.
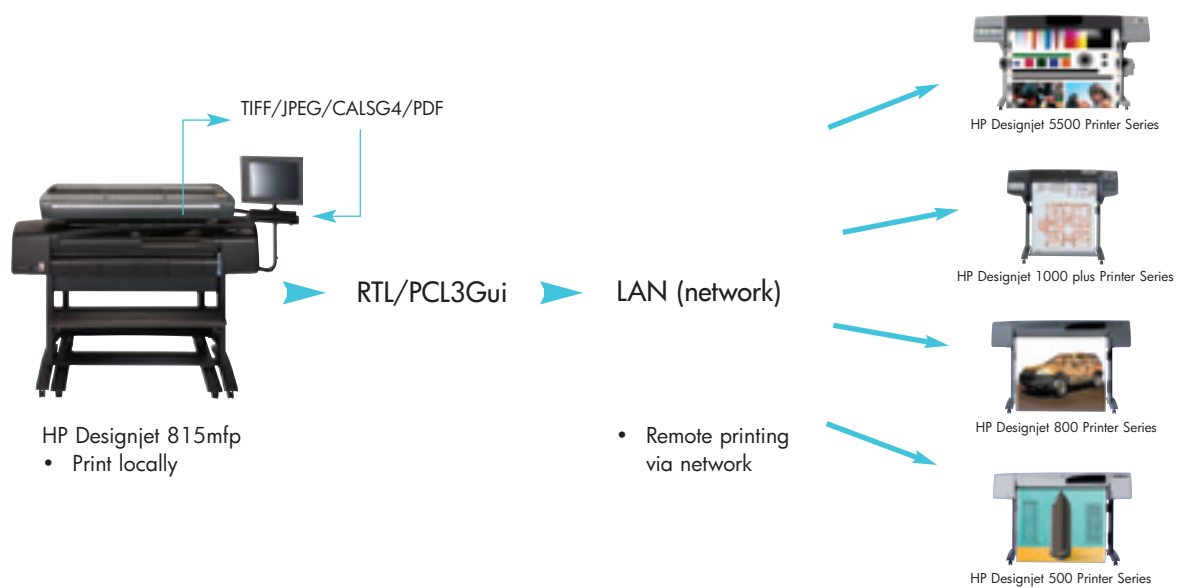
3. Convenient archival functions. Scan directly to CD via CD writer (8x 8x 32x) built into the panel PC. Scan direct to file or network using intuitive software.

4. Bigger hard disk space for faster processing and bigger storage (6 GB—printer, 14 GB —control panel)

Fully integrated multi-function capability —A complete standalone solution

The HP Designjet 815mfp is a complete, self-contained solution that puts a printer, scanner, front-panel PC, keyboard, and software all in a single footprint that fits your workspace. Manage large-format documents from scan through print or archive seamlessly and efficiently.

TIFF/JPEG/CALSG4/PDF

RTL/PCL3Gui ▶ LAN (network)

HP Designjet 815mfp
• Print locally

• Remote printing
  via network

HP Designjet 5500 Printer Series

HP Designjet 1000 plus Printer Series

HP Designjet 800 Printer Series

HP Designjet 500 Printer Series

Intelligent high performance features

The HP Designjet 815mfp delivers outstanding print, scan and copy features that are intelligent and user-friendly. You can achieve professional quality by using advanced colour-management, image-enhancement, and calibration features built into HP Designjet 815mfp.

Excellent print quality

HP Designjet 815mfp create scans and prints at a level of detail that is comparable to the originals. Scan or print at a resolution of up to 2400 dpi enhanced, up to 42 inches wide. Achieve vivid, colour accurate prints and copies consistently with 2400 x 1200 dpi resolution, HP's Color Layering Technology and automatic closed-loop colour calibration.

Remote printing capable

Batch and network printing for greater productivity. The HP Designjet 815mfp includes a print-list feature that you can use to print your scanned jobs in unattended batches. You can also set up additional HP Designjet printers on your network and then print these files remotely through these HP Designjet printers from the HP Designjet 815mfp touch screen.

Key print features

• Print technology—HP Thermal Inkjet with HP Color Layering Technology and automatic closed-loop colour calibration

• Print resolution—2400 x 1200 dpi

• Line accuracy—+/-0.2%

• Print speed—economic quality (colour) 7.9 m^2/h (85 ft^2/h)
          —normal quality 3.3 m^2/h (36 ft^2/h)
          —photo quality 2 m^2/h (21 ft^2/h)

• Ink—4 ink with pigment-based black and dye-based colour

• Scan file formats—PDF, TIFF, JPEG, CALSG4

Flexible scanning

Built-in scanner accepts originals up to 43 inches (42-inch scan width–1092 mm) wide, and up to 15 mm (0.6-inch) thick, so you can even scan oversized and heavyweight originals into common file formats—PDF, TIFF, JPEG and CALSG4

Advanced scan features

Perfect your image by using the colour correction and 2D-filters for colour sharpening, image softening, and blurring. The monochrome dual 2D-adaptive enhancement technology produces clean and crisp scans even from poor-quality originals. Together with the calibration wizard, you can ensure that your scans, copies, and prints consistently show HP quality and consistency.

Key scan features

- Technology—double tri-linear colour CCDS; 21360 pixels (RGB triplets); 36 bits of data capture; all-digital cameras

- Resolution—optical: 424 dpi; enhanced: 2400 dpi

- Line accuracy—+/-0.15%

- Image digital processing—dual 2D-adaptive enhancement, dual 2D-adaptive gray, ADL+ error diffusion halftoning, 2D-sharpening, 2D-softening and 2D-blur filter; 2D-adaptive thresholding

- Scan speed—colour: 3.8 cm/sec (1.5-inch/sec); black and white: 7.6 cm/sec (3-inch/sec)

- Scan modes—24-bit colour, 8-bit gray tone, copy modes with gray shades, 1-bit black-and-white, black-and-white dual 2D-adaptive modes

- Scan file formats—PDF, TIFF, JPEG, CALSG4

User-friendly copy functions

The advanced copy functions of the HP Designjet 815mfp help you make copies quickly and easily. Skew is never a problem when you use the auto-alignment option to load and preview your original. Enlarge or reduce images (1 to 10000%) and adjust margins to create the ideal image.

Use the nesting option to save media, and make extra-large enlargements easily with the panelling option. You can also track your output by using the integrated accounting features.

2D-adaptive threshold

Ease-of-use

The HP Designjet 815mfp is easy to learn, operate and master even for users who are not literate in large-format printing, scanning or copying.

After the plug-and-play installation, operation is intuitive, even untrained users can produce great copy, scan, and print results from the intuitive touch-screen display.

User-friendly

Intuitive software meets all your print, scan and copy needs at your finger tips. The friendly, graphical touch-screen display gives you clear, hassle-free operation.

The graphical interface walks the user through the appropriate procedure to produce the type of document or file that you need.

Convenience

Offer your customers, clients, and co-workers the convenience of having scanned documents available on compact discs (CDs) or floppy disks. Save your scanned files in the most common file formats (PDF, TIFF, JPEG and CALSG4) directly to CD, via built-in CD writer, or to file or network.

The HP Designjet 815mfp fits seamlessly into your network. Using universal network standards, you can communicate easily across a network by using the keyboard that comes standard.

HP Designjet 815mfp at-a-glance

1. Receive data:
- Access stored files
- Access network
- Read from CD or floppy

2. Scan:
- Small and large-format originals (up to 43 inches wide)
- Thick or rigid media (up to 15 mm)
- Scan width up to 42 inches wide

3. Store:
- Store in the hard disk
- Store in the network
- Save to a CD or floppy
- Multiple formats

4. Remote print:
- Print file via other network printer
- HP Remote printing (US only)

5. Print:
- Batch printing
- Multiple copies
- And sets panelling, nesting

6. Copy:
- Single or multiple copies
- Enlarge/reduce
- Colour or black and white
- Panelling, nesting

7. Edit/enhance:
- Background cleaning
- Sharpen/blur
- Colour/light adjustment

HP Designjet 815mfp shown

HP Designjet 815mfp
Technical Specifications

Print Features

Technology	HP Color Thermal Inkjet
Max resolution	Print resolution 2400 x 1200 dpi
Print languages	Adobe PostScript® 3™, HP-GL/2, HP RTL, CALSG4
Print speed	Economic quality (colour) 7.9 m²/h (85 ft²/h)
	Normal quality 3.3 m²/h (36 ft²/h)
	Photo quality 2 m²/h (21 ft²/h)
Line accuracy	+/- 0.2 % (printer)

Scan Features

Technology	Double tri-linear colour CCDS; 21360 pixels (RGB triplets); 36 bits of data capture; all-digital cameras
Resolution	Optical: 424 dpi; enhanced: 2400 dpi
Scanner image digital processing	Dual 2D-adaptive enhancement, dual 2D-adaptive gray, ADL+ error diffusion halftoning, 2D-sharpening, 2D-softening and 2D-blur filter; 2D-adaptive thresholding
Scan speed	Colour: 3.8 cm/sec (1.5-inch/sec)
	Black and white: 7.6 cm/sec (3-inch/sec)
Scan modes	24-bit colour, 8-bit gray tone, copy modes with gray shades, 1-bit black-and-white, black-and-white dual 2D-adaptive modes
Line accuracy	+/- 0.15%
Reduce/enlarge	1 to 10000%

Media

Roll	Core diameter: 6.35 cm (2.5-inch)
	Max roll length: 45 m (150 ft)
	Media sizes: 8.3 to 42-inch wide sheets; 24, 36 and 42-inch rolls
Media length	1897 mm
Media width	Printer: 42-inch; scanner: 43-inch
Max scan width	42-inch
Media weight	Up to 210 g/m² (up to 56 lb)
Media thickness	Up to 15 mm (0.6-inch)
Media sizes	Metric: ISO AO, ISO A1, ISO A2, ISO A3, ISO A4, JIS B4, JIS B3, JIS, B2, JIS B1
	US: ANSI A, ANSI B, ANSI C, ANSI D, ANSI E, ARCH A, ARCH B, ARCH C, ARCH D, ARCH E, ARCH E1
Media types	HP Bright White Inkjet Paper (bond), Translucent Bond, Natural Tracing Paper, Vellum, Clear Film, Matte 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
Paper handling	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

User interface	Touch-screen and keyboard
Front panel/control panel	Print/scan/copy operation controlled through an easy-to-use LCD colour touch-screen and intuitive software.
CD drive type	CDRW (8x 8x 32x)

System

Processor	Intel Pentium III—850 MHz
Compatible network operating system	Printer: Novell NetWare v. 3.11, 3.12, 4.X, 5.0; NDS (IPX/SPX); NDPS (TCP/IP, IPX/SPX); Microsoft® Windows® 95, 98; (TCP/IP, IPX/SPX); Microsoft Windows NT® 4.0, XP; (TCP/IP, IPX/SPX, DLC/LLC); Microsoft Windows 2000; IBM OS/2 WARP v. 3.0, 4.0; (TCP/IP, DLC/LLC; HP-UX v. 10.X, 11.X; Sun Solaris 2.5X, 2.6; IBM AIX v. 3.2.5 and later; MPE-IX v. 5.5 (TCP/IP); Line printer Daemon (LPD); Mac OS 9.X (TCP/IP, Apple talk); Mac OSX (TCP/IP); Artisoft LANtastic v. 7.0 (DLC/LLC); Internet printing protocol
	Scanner: NDPS (TCP/IP); Microsoft Windows 95, 98; (TCP/IP); Microsoft Window NT 4.0, XP; (TCP/IP); Microsoft Windows 2000; IBM OS/2 WARP v. 3.0, 4.0; (TCP/IP); HP-UX v. 10.X, 11.X; Sun Solaris 2.5X, 2.6; IBM AIX v. 3.2.5 and later; MPE-IX v. 5.5 (TCP/IP); Mac OS 9.X and X (TCP/IP)
Compatible operating system	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
Memory	Standard memory 256 MB
	6 GB for printed jobs (in the printer)
	14 GB for scanned jobs (in the control panel)
Connectivity	External I/O ports: 1 Centronics parallel IEEE 1284-compliant (ECP), 1 HP Jetdirect 615n (EIO) 10/100Base-TX, 1 Fast Ethernet 10/100Base-TX network card for scan to file
	Connectivity, Std Printer—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
Remote network printer windows	Wondows®—Microsoft® Wondows® 95, 98, NT, 2000, XP
	Mac—Mac 9.1 or later
Printer drivers included	Printer: 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 plus, 5000 and 5500 Printer Series

HP Designjet 815mfp
Technical Specifications

Software included	PostScript® drivers for Microsoft® Windows® (95, 98, Me NT 4.0 and 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, 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 plus, 5000 and 5500 Printer Series

Dimensions and Weight

Volume (w x h x d)	2020 x 840 x 1500 mm (79.5 x 33 x 59-inch)
Weight	180 kg (396.8 lb)

Power

Power consumption	330 W
Power supply	100 to 240 VAC (+/-10%) auto-ranging, 50/60 Hz, 8 amp maximum
Operating sound pressure	54 dB

Safety and Compatibility

Electromagnetic compatibility	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 (BSMII)
Safety	ITE product compliance, EU LVD, UL Certified for US and Canada, Mexico NOM-1-NYCE, Argentina: IRAM, Russia: GOST, Poland PCBC, and others

Others

Warranty	One-year, next-business-day, on-site warranty Warranty varies according to countries. Please check with your local Hewlett-Packard sales offices or your nearest HP authorised dealer for details.
What's in the box	HP Designjet 815mfp including HP Designjet 800ps printer, scanner, touch-screen, keyboard, built-in HP Jetdirect 615n for Fast Ethernet 10/100 Base-TX network card, additional Fast Ethernet 10/100 Base-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 plus, 5000 and 5500 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)
Accessories	HP spindle C2389A, IEEE 1284-compliant bidirectional parallel cable (3 m) C2951A, memory module (128 MB) C2388A, HP Jetdirect (EIO 10Base-T) J3110A, HP Jetdirect (10Base2, 10Base-T, LocalTalk) J3111A, HP Jetdirect (Token Ring) J4167A, power cords; 8120-1369 (Australia),8120-1689 (Korea), 8120-1378 (Taiwan), 8120-8705 (Hong Kong), 8120-8376 (China (English)), 8120-6798 (Japan) 8120-8871 (Philippines), 5080-3149 (Japan converter)

For more information, visit our website at http://www.designjet.hp.com, or
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