



**multifunction**



**convenience**

**data sheet**



## hp designjet 815mfp large-format multifunction solution

Consolidate your large-format document reproduction in a single device. Use the HP Designjet 815mfp to copy, scan, and print in color and in black and white. The unit handles CAD drawings, GIS projects, quality graphics, and large-format originals on a variety of media weights and thicknesses. And, the integrated design saves workspace and the intuitive operation means less user training.

### **integrated**

- manage large-format documents from scan through print or archive—a complete, self-contained solution puts a printer, scanner, touchscreen PC controller, and software all in a single footprint
- use the hp designjet 815mfp as a standalone device, or connect into your network for remote scanning and printing; included software and standard network interfaces make network integration simple
- buy with confidence—a fully integrated, one-vendor solution designed and built in the hp tradition with one-stop support

### **power of possibilities**

- high-quality color results—fast, high-resolution scanning and photo quality printing up to 42 inches wide support both technical and graphics users
- robust scanning options—digitize and archive your large-format originals by scanning directly to CD, file, or network; scan to the most common file formats, including .pdf and .tif
- complete copying functionality—make multiple copies, enlarge and reduce, tile or nest—all with copier-like simplicity
- impressive printing options—send files to the included hp designjet 800ps printer, or print remotely to any supported hp designjet printer on your network

### **intuitive operation**

- no training or expertise required—even untrained users can produce great results; the friendly graphical touchscreen display gives you clear, hassle-free operation
- quick and easy results—intuitive software is pre-installed and puts all your scan-print-copy needs right at your fingertips; the calibration wizard ensures consistent performance

HP printing and imaging systems help you create powerful, professional communications easily. Printers, supplies, accessories, digital solutions, and services are designed together to work together and invented to meet your business needs.

# hp designjet 815mfp

network connections in both the printer and the touchscreen allow for fast network connectivity and performance

hp designjet 800ps printer creates photo quality output up to 42 inches wide

42-inch scan area captures wide-format images for easy printing, copying, and saving

print output basket accepts scanned originals for fast and easy operation during high volume batch-scanning jobs

integrated footprint for convenient placement in any workplace environment



use the touchscreen graphical display for easy, intuitive operation

CD reader/writer allows you to save office or client files directly onto a disc

integrated keyboard for instant access to the printing network

intuitive software provides easy-to-use scanning, copying, and network printing interface

## a choice of solutions for your work environment

### hp designjet 815mfp:

a complete, integrated large-format document solution

#### technical and GIS workgroups can:

- generate on-demand large-format scans, copies, and prints
- make last minute changes or copies for meetings or discussion
- scan and copy in-house without compromising security

#### service bureaus and copy centers can:

- add a complete large-format solution for copying, scanning, and printing needs
- offer new large-format services for existing customers
- attract new customers with new capabilities

### hp designjet scanner 4200:

create a solution with the hp designjet scanner 4200

#### the hp designjet scanner 4200\* can:

- integrate with an existing hp designjet printer to create a complete scan/copy/print solution
- provide higher copying and printing performance when used with an hp designjet 1000, 5000, or 5500 series printer
- offer greater media flexibility or durability when combined with an hp designjet 5000 UV or 5500 UV printer

\* HP Designjet Scanner 4200 (Q1280A) is a scan solution which requires network connection to your HP Designjet printer and a separate footprint.

## the hp multifunction advantage

You can count on HP's superior quality and dependability with the HP Designjet 815mfp—a single, integrated solution combining smart software with a scanner, printer, and touchscreen PC for all your business needs.

HP provides a variety of support options to assist you in the setup and maintenance of the HP Designjet 815mfp. Make the most of your equipment and ensure it is running at peak efficiency with HP's expert knowledge. HP offers upgradeable support and service options to maximize the potential of your HP Designjet 815mfp and to accommodate the changing needs of your business.



<p><b>scanner</b> superior technology for superior results</p>	<ul style="list-style-type: none"> <li>two digital cameras scan at a resolution of up to 424 ppi optical and 2400 enhanced, with 0.15 percent line accuracy</li> <li>full, vivid color with 24-bit color and 8-bit graytone</li> <li>high-speed, 200-dpi color scanning at 1.5 inches per second and 200-dpi monochrome scanning at 3.0 inches per second</li> </ul>	<ul style="list-style-type: none"> <li>scan media up to 42 inches wide and up to 0.6 inches thick, for handling oversized, heavyweight originals—even cardboard</li> <li>color 2D Adaptive Thresholding provides color correction and 2D-filters for color sharpening, image softening, and blur</li> <li>dual 2D Adaptive Gray enhancement technology produces clean, crisp scans even from poor quality originals</li> </ul>
<p><b>software</b> complete functionality and control</p>	<ul style="list-style-type: none"> <li>preview your image for a high quality, precision job</li> <li>copy, enlarge, reduce, or adjust colors and settings, for perfecting even your originals</li> <li>scan to file, CD, or network in the most common file formats, including .pdf, .tif, .jpeg and CALSG4</li> <li>print your scanned jobs in unattended batches with the prints-list feature</li> </ul>	<ul style="list-style-type: none"> <li>print locally or print through the network to hp designjet 500, 800, 1000, or 5000 series printers</li> <li>use the nesting option to save media</li> <li>make enlargements easily with the paneling option</li> <li>track your output using the integrated accounting features</li> </ul>
<p><b>touchscreen PC</b> convenient, easy-to-use interface</p>	<ul style="list-style-type: none"> <li>touchscreen running Microsoft® Windows® 2000</li> <li>Pentium® III, 850 MHz and 14 GB on memory for scanned jobs</li> <li>floppy disk, PCMCIA slots and additional USB port</li> </ul>	<ul style="list-style-type: none"> <li>small keyboard included for easy data entry and network access</li> <li>CD reader/writer included for efficiency and versatility</li> <li>fast network connection (TCP/IP)</li> </ul>
<p><b>printer</b> professional performance for high quality prints and copies</p>	<ul style="list-style-type: none"> <li>hp designjet 800ps printer prints up to 42 inches wide on a variety of media</li> <li>virtual computer inside printer, including Adobe® PS RIP, embedded HP-GL/2 processor, 160 MB of RAM, and a network interface</li> <li>achieve excellent image quality with hp color layering technology, up to 2400 by 1200 dpi resolution, and 0.2 percent line accuracy</li> </ul>	<ul style="list-style-type: none"> <li>fast, efficient printing with speeds up to 85 sq ft/hour in fast mode</li> <li>hp smart printing technology supplies produce excellent, quality printing every time</li> <li>replace only the ink supplies you need—modular, individually replaceable supplies make color cost effective</li> <li>a complete selection of media choices for the look you need</li> </ul>
<p><b>support &amp; service</b> one-stop support &amp; service from the trusted hp name</p>	<ul style="list-style-type: none"> <li>one-year onsite warranty</li> <li>additional support options include physical installation with or without network configuration, three-year warranty extension, and a one-year post warranty</li> </ul>	<ul style="list-style-type: none"> <li>24-hour online support via <a href="http://www.designjet.hp.com">www.designjet.hp.com</a> provides troubleshooting tips, driver downloads, user forums, and documentation</li> <li>toll-free phone support with product experts</li> </ul>

Technical Specifications		HP Designjet 815mfp	
		Q1279A	
Print	Print Speed	<b>Mixed Color &amp; Graphics</b> <b>Best Mode:</b> 21 sq ft/hr <b>Normal Mode:</b> 36 sq ft/hr <b>Fast Mode:</b> 85 sq ft/hr <b>Line Drawings:</b> 90 seconds (Fast mode)	
	Maximum Resolution	2400 x 1200 dpi (on HP Premium Photo Paper in Best Mode)	
	Print Margins	Top and bottom: 17mm; right and left: 5 mm	
Scan	Technology	HP Color Thermal Inkjet	
	Technology Print Resolution	HP Color Layering Technology, CMYK emulating sRGB	
	Cartridges	Black (pigment, 69 ml); cyan, yellow, magenta (dye, 69 ml)	
Scan	Scan Speed	Color (200 dpi): 1.5 in/sec (3.8cm/sec); black & white (200 dpi): 3 in/sec (7.6cm/sec)	
	Scan Resolution	<b>Best Mode:</b> 300 x 300 dpi <b>Normal Mode:</b> 300 x 300 dpi	<b>Color</b> 300 x 300 dpi <b>Black &amp; white</b> 200 x 200 dpi <b>Draft Mode:</b> 200 x 200 dpi <b>Enhanced Mode:</b> 2400 x 2400 dpi, with variable resolution settings from 50 dpi in increments of 1 dpi
	Minimum Scan Time	20 seconds (2 x 3 ft)	
Copy	Maximum Scan Width	42-in	
	Maximum Scan Thickness	0.6 in (15 mm)	
	Copy Speed	2 x 3 ft mono line drawing in under 3 minutes	
Media Handling	Copy Resolution	<b>Fast:</b> 150 x 150 dpi; <b>Normal/Best:</b> 300 x 300 dpi; custom settings available	
	Reduction/Enlargement	1 to 10,000%	
	Maximum Copies	99	
Media Handling	Copier Settings	Type of original, image crop and align preview, lightness, saturation and RGB controls, sharpen/blur, mirror copy, enlarge/reduce, paneling, tiling, nesting, and accounting	
	Handling	<b>Printer:</b> single-sheet feed, roll feed, automatic cutter, standard bin; <b>Scanner:</b> straight-through scan paper path for sheet and cardboard originals, all-wheel drive (contour adjustment, precision rollers)	
	Types	<b>Printer:</b> 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 canvases, banners with Tyvek, colorfast adhesive vinyl; <b>Scanner:</b> 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.)	
Memory	Weight	<b>Printer:</b> up to 210 g/m <sup>2</sup> ; <b>Scanner:</b> at least 0.06 mm thick, 50 g/m <sup>2</sup> weight	
	Maximum Media Size	<b>Printer:</b> 42 in x 150 ft; <b>Scanner:</b> 43 in x unlimited	
	Memory	<b>Printing:</b> 160 MB and 6 GB hard disk; <b>Scanning:</b> 256 MB and 14 GB hard disk	
Connectivity	Processor	Intel Pentium® III, 850 MHz	
	Color Technology	<b>Printer:</b> HP Color Thermal Inkjet; <b>Scanner:</b> closed-loop color calibration	
	Operating Systems	<b>Printer:</b> Microsoft Windows 95, 98, Me, NT 4.0, 2000, XP, Mac OS 9.X, Mac OS X, ZEHRRaster for UNIX®; <b>Scanner:</b> 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	
Network Operating Systems	Network Operating Systems	<b>Printer:</b> 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/LC); Microsoft Windows 2000; IBM OS/2 WARP v 3.0, 4.0; (TCP/IP, IP, DLC/LC; 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 OS X (TCP/IP); Artisoft LANtastic v 7.0 (DLC/LC); Internet printing protocol; <b>Scanner:</b> NDPS (TCP/IP); Microsoft Windows 95, 98; (TCP/IP); Microsoft Windows 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)	
	Interfaces	<b>Printer:</b> Centronics parallel IEEE 1284-compliant (ECP), Jetdirect 620n EIO internal print server for Fast Ethernet 10/100Base-TX; <b>Scanner:</b> additional Fast Ethernet 10/100 Base-TX network interface	
	Dimensions (w x d x h)		
Weight	Printer	79.5 x 33 x 59 in	
	Maximum Shipping	87.2 x 33 x 59 in	
	Shipping	78 x 27.2 x 61.6 in	
What's in the Box	Printer	396.8 lb	
	Shipping	561 lb	
	What's in the Box	HP Designjet 815mfp including HP Designjet 800ps printer, scanner, touch screen, keyboard, built-in Jetdirect 620n 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 Macroinstall 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, ZEHRRaster Plus for UNIX®, system recovery software CD, Quick Reference Guide, Setup Poster, user documentation CD (interface cables must be ordered separately)	

#### ordering information

Product Number	HP Product
Q1279A	HP Designjet 815mfp

#### Service and Support

Printer	
U2006A/E	HP Supportpack next-day onsite repair (three-year)
U3535PA/PE	Past warranty next-day onsite repair (one-year)
H4518A/E	Installation including network configuration (three-year)

#### Scanner

U3799A/E	Next-day onsite response (3 year)
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#### Supplies and Accessories

##### Print Cartridges

C4844A	HP 10 Black, 69 ml
C4911A	HP 82 Cyan, 69 ml
C4912A	HP 82 Magenta, 69 ml
C4913A	HP 82 Yellow, 69 ml

##### Printheads

C4810A	HP 11 Black
C4811A	HP 11 Cyan
C4812A	HP 11 Magenta
C4813A	HP 11 Yellow

##### Media

C1861A	HP Bright White Inkjet Bond Paper (36-inch)
C8282A	HP Coated Paper (36-inch)
C6569C	HP Heavyweight Coated Paper (42-inch)
C6565A	HP High-Gloss Photo Paper (42-inch)
C6563A	HP Semi-Gloss Photo Paper (42-inch)
C6771A	HP Studio Canvas (36-inch)
C6787A	HP Banners with Tyvek® (36-inch)
C6775A	HP Colorfast Adhesive Vinyl (36-inch)
C5164B	HP Matte Film (36-inch)
C3875A	HP Clear Film (36-inch)
C3868A	HP Natural Tracing Paper (36-inch)
C3559A	HP Translucent Bond (36-inch)
C3861A	HP Vellum (36-inch)

#### drivers

**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 and 5000 series printers

#### environmental ranges

Recommended Operating temperatures: 64 to 90° F (18 to 32° C)  
Storage temperatures: -4 to 131° F (20 to 55° C)  
Operating humidity: 20 to 80% RH; Recommended humidity: 25 to 70% RH  
Storage humidity: 20 to 80% RH

#### acoustics

Per ISO 9614-1  
Sound Pressure: 52 dB(A)  
Sound Pressure, Standby: 37 dB(A)  
Sound Power: 6.7 B(A)

#### power requirements

Input voltage 100 to 240 VAC (+/- 10%) auto-ranging, 50/60 Hz, 8 amp maximum

#### power consumption

Operating: 330 watts  
Idle: 75 watts  
Standby: 145 watts  
ENERGY STAR® compliant (printer only)

#### power certification

Safety certifications: ITE product compliant, UL Certified for US and Canada, Mexico NOM-1-NYCE  
Electromagnetic compatibility: Compliant with the requirements for Class A ITE products: USA (FCC Rules), Canada (DoC)

#### warranty

One-year, next-business-day, on-site warranty

For more information on the HP Entry Color LaserJet printer series, visit our website at [www.hp.com](http://www.hp.com) and click on products and services. Here you will find information on products, supplies, and accessories for all your computing needs. HP printers, personal computers, supplies, and accessories are available at authorized HP resellers worldwide.

HP PCs use genuine Windows Operating Systems  
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