



standalone



color

data sheet



hp designjet copier cc800ps

large-format color copier, scanner, and printer

in-house convenience

- in-house color for less than digital monochrome alternatives—affordably priced, so you can have the convenience of large-format copying, scanning, and printing in high-quality color when and where you want it
- quick on-demand copies—the copier starts printing in less than 20 seconds from the moment you load the original document and press the button
- handles your large-format jobs—delivers high-quality color output up to 2400 dpi from originals up to 40-inches wide and up to 15 mm thick
- minimal user intervention—a modular ink delivery system and long-lasting printheads mean you spend less time maintaining the system

integrated design

- perfect for any work environment—the highly integrated design and small footprint allows placement in an office without disrupting the current office configuration
- simple, standalone copying—no external PC is required for copying or scanning operation and no special training is required thanks to its easy copier-like operation
- share over a network—designed for workgroups with complex connectivity environments (Adobe® PostScript® 3™ and network interface included)

multifunction color

- get high-quality color results—hp color layering technology, closed-loop color calibration, and high-resolution scanning create crisp and clear copied lines, continuous tones and smooth transitions, and a wide color gamut
- complete copying functionality—make multiple copies, enlarge and reduce, tile or nest output
- robust scanning options—both local and network scan-to-file options are available; add the hp remote printing for AEC service to scan locally and print monochrome drawings remotely
- impressive color printing—your plans and ideas look their best with clear crisp lines plus outstanding image quality with true, rich colors

The HP Designjet printing solution—hardware, ink systems, and printing materials—engineered and tested together to ensure uncompromising print quality, performance, and reliability.

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product highlights

- standalone copying operation—doesn't require an external PC
- small footprint—easily integrates into any office environment
- intuitive controls—requires no special training to operate
- photo-quality printing—produce high-resolution color documents up to 2400 by 1200 dpi on glossy media
- on-demand copying—begins printing in less than 20 seconds after pressing "go" button
- quality scanning—delivers crisp, clear copied lines, continuous tones, and a wide color gamut at resolutions up to 2400 dpi
- robust reproduction—scan or copy originals on rigid media (up to 15mm thick)
- accurate color—closed-loop calibration guarantees precise color output

scan

- scanning speed up to 2.9 inches per second in black-and-white mode, and 0.31 inches per second in color 24-bit RGB modes
- digital image processing: dual 2D-adaptive, enhancement, thresholding, color and grayscale sharpening, softening, and blur filter
- up to 2400-dpi scaled resolution
- 400-dpi optical resolution
- scan up to 42-inch wide media with a 40-inch active scanning area
- local and network scan-to-file plus optional scan-to-remote printing capabilities (U.S. only)

copy

- one-touch operation via intuitive touch-screen control panel
- multiple copies—up to 99 copies from a single scan
- tiling and nesting capabilities
- document enlargement and reduction—1 to 10,000 percent
- control panel copy/scan preview feature

print

- 160 MB RAM
- 6 GB hard drive
- hp color layering technology
- drivers—AutoCAD™ and Microsoft® Windows® 95, 98, NT® 4.0, ME, 2000; supports Adobe PostScript 3; HP-GL/2; HP RTL and CALS/G4
- IEEE-1284 parallel port
- print speeds—D-size line drawings: 60 seconds, color: 36 sq ft/hour in normal mode, 85 sq ft/hour in fast mode
- hp jetdirect 610n internal networking card
- media handling—single-sheet feed, roll feed, automatic cutter

For less than the cost of monochrome alternatives, you can dramatically increase your workflow productivity by delivering flexible color reproduction when and where you need it.



adding large-format color is easy and affordable

Traditionally, color copying and scanning systems for large-format have been big, expensive and complex. The HP Designjet Copier cc800ps is a compact solution that is versatile, yet affordable. You can add an entire range of large-format color capabilities to your business with a single, easy-to-use device. The integrated design and small footprint allows you to place the copier almost anywhere without disrupting your current office arrangement.

You don't even need any special training—from day one:

- architects can easily copy drawings marked up during a client meeting
- GIS professionals can create a digital version of a hardcopy map and save it or alter it—even use it as the basis for overlays or additional data
- government agencies can scan and copy internally, without compromising security
- in-house copy centers or quick printers can offer customers a one-stop solution for large-format copying and printing needs

in-house capability increases productivity and stretches budgets

In-house color copying and scanning is not only convenient, it saves both time and money. Tight deadlines, last-minute meetings, and important updates are all easier and less expensive with an in-house solution at your fingertips.

- fast distribution of originals with annotations during the design phase of a project
- on-demand copies for meetings or presentations
- ability to handle last-minute changes without waiting for service bureau turnaround
- lower outsourcing and courier costs for short-run large-format copies
- electronic archiving and distributing of hardcopy originals without paying a scanning fee

productivity and performance backed by hp

HP printers are well-known for reliable printing, day in and day out. Built on the popular HP Designjet 800ps printer, the HP Designjet Copier cc800ps is backed by a free one-year onsite warranty and a wide array of service and support options.

- warranty and service—extend your warranty to three full years or purchase onsite installation options; all work is done by hp-authorized technicians
- free support—choose from round-the-clock online Web support with troubleshooting tools and e-mail support or interactive phone support during regular business hours

technical specifications

hp designjet copier cc800ps

general features

Copy and scan operation controlled through an easy-to-use LCD color touch screen
Copy or scan up to 42-inch wide documents with a 40-inch active scan width
Scans while printing: in less than 20 seconds from the time you press the button the copier starts printing
Four 69 cc ink cartridges (CMYK) and long-life printheads
Adobe PostScript 3 RIP with drivers for Macintosh® and Windows®
No external PC is required for standalone copying
12.5 GB of hard disk space available: 6 GB for printed jobs and 6.5 GB for scanned jobs

print

HP color thermal inkjet printing with HP Color Layering Technology, and ColorSync 3.0 (Mac drivers only)

Speed:

Images:

Best: 21 sq ft/hr (2 sq m/hr)
Normal: 36 sq ft/hr (3.3 sq m/hr)
Fast: 85 sq ft/hr (7.9 sq m/hr)

Line drawings:

(D size/A1 size): 60 seconds (black), 90 seconds (color)
Black: 247 sq ft/hr (22.94 sq m/hr)
Color: 189 sq ft/hr (17.56 sq m/hr)

Resolution:

2400 by 1200 dpi maximum resolution on HP Premium Photo papers (superbest mode)

Languages:

Adobe PostScript 3, HP-GL/2, HP RTL, CALS/G4

Line accuracy: ± 0.2%

scan

Fast hardware digital image processing: dual 2D-adaptive enhancement, ADL+ error diffusion halftoning, color and grayscale 2D adaptive thresholding, 2D blur filter, 2D-sharpening and soften filters

Scan-to-remote printing with the optional HP Remote Printing for AEC Service (U.S. only)
40 inches active scanning width

Accepts rigid materials up to 15 mm thick

Double tri-linear color CCDs (21,360 pixels—RGB triplets)

Scan-to-file supports TIFF (packbits, G3 and uncompressed), JPEG and CALS G4

36 bits of color data capture

12 bits of grayscale data capture

Precision scanner color calibration to sRGB and NTSC standards

Speed:

linear scan speeds up to 2.9 inches per second in B/W mode and up to 0.31 inches per second in true 24-bit RGB mode
20-second scan-to-print time (monochrome scanning at 400 dpi)

Resolution:

2400 by 2400 dpi scaled
400 by 400 dpi optical

copy

99 copies maximum (from a single original)

Closed-loop calibration for consistent and accurate color copy

Monochrome copy in 2.5 minutes (D size/A1 size)

Quality:

Best: 300 by 300 dpi
Normal: 300 by 300 dpi
Fast: 150 by 150 dpi

Enlarge/reduce: 1 to 10000%

Settings: type of original, image align and crop preview, lightness, saturation and RGB controls, sharpen/blur, mirror copy, enlarge/reduce, panning, tiling, and nesting

media handling

Straight-through scan paper path for cardboard originals up to 0.6-inch (15 mm) thick, output paper single-sheet feed, roll feed, automatic cutter, and standard bin

Media sizes: 8.3 to 42-inch (211 to 1067 mm) wide sheets; 24-, 36-, and 42-inch (610, 914, and 1067 mm) wide rolls

Supports HP Basic printing materials plus technical papers and films, bonds and coated papers, and selected photographic, durable, and specialty printing material

operating systems

Microsoft Windows (95, 98, ME, NT 4.0, 2000 and XP), Mac OS 8.1 or later, ZEHRRaster for UNIX® Network: Novell NetWare v3.11, 3.12, 4.x, 5.0; NDS (IPX/SPX); NDP (TCP/IP, IPX/SPX); Microsoft Windows 95, 98 (TCP/IP, IPX/SPX), ME, NT 4.0, XP (TCP/IP, IPX/SPX, DLC/LLC), 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

font capabilities

136 PostScript built-in Roman fonts

memory

Printer: 160 MB standard and maximum, 6 GB hard disk

Scanner: 6.5 GB hard disk

connectivity

Centronics parallel IEEE 1284-compliant (ECP), HP Jetdirect 610n (EIO) internal print server for Fast Ethernet 10/100Base-TX, additional Fast Ethernet 10/100/1000Base-TX for scan-to-file features.

Optional HP Jetdirect 610n Token Ring (EIO) internal print server

environmental ranges

Operating temperature: 64 to 90° F (18 to 32° C)

Recommended operating conditions: 64 to 90° F (18 to 32° C)

Storage temperature: -24 to 131° F (-31 to 55° C)

Relative humidity: 20 to 80% RH non-condensing

acoustics

Declared sound power levels: L_{wAd} = 6.7 B(A)

Declared sound pressure levels: L_{pAm} = 54 dB(A)

power requirements

Line voltage 100 to 240 AC (± 10%) auto-ranging, 50 to 60 Hz, 8 amps maximum

product certification

Safety Certifications: Compliant with the requirements for ITE products: UL listed for USA and Canada

Electromagnetic Compatibility: Compliant with the requirements for Class A ITE products: USA—FCC Rules, Canada—DoC

Environmental Compliance: Printer is U.S. EPA Energy Star® compliant

power consumption

330 watts maximum

ordering information

number description

Q1262A HP Designjet Copier cc800ps
HP Remote Printing Service (U.S. only),
go to www.hp.com/go/remoteprinting/aec

service and support

H4517A/E Physical installation
H4518A/E Physical installation with network configuration
U2006A/E HP Supportpack, 3-year, next-day, onsite
U2849A/E HP Supportpack, 1-year, post warranty

supplies and accessories

C2390A HP Spindle, 42 in

hp ink cartridges

C4844A HP 10 black ink cartridge
C4911A HP 82 cyan ink cartridge
C4912A HP 82 magenta ink cartridge
C4913A HP 82 yellow ink cartridge

hp printheads

C4810A HP 11 black printhead
C4811A HP 11 cyan printhead
C4812A HP 11 magenta printhead
C4813A HP 11 yellow printhead

printing materials

C1860A HP Bright white paper, 24-inch roll
C1861A HP Bright white paper, 36-inch roll
C6019B HP Coated paper, 24-inch roll
C6020B HP Coated paper, 36-inch roll
C6559B HP Coated paper, 42-inch roll
C6029C HP Heavyweight coated paper, 24-inch roll
C6030C HP Heavyweight coated paper, 36-inch roll
C6569C HP Heavyweight coated paper, 42-inch roll
C6813A HP High-gloss photo paper, 24-inch roll
C6814A HP High-gloss photo paper, 36-inch roll
C6787A HP Banners with Tyvek®, 36-inch roll
C6775A HP Colofast adhesive vinyl, 36-inch roll
C6771A HP Studio canvas
51642A HP Matte film, 24-inch roll
51642B HP Matte film, 36-inch roll
C3876A HP Clear film, 24-inch roll
C3875A HP Clear film, 36-inch roll
C3862A HP Vellum, 24-inch roll
C3861A HP Vellum, 36-inch roll
C3860A HP Translucent bond, 24-inch roll
C3859A HP Translucent bond, 36-inch roll

For complete hp printing material information, compatibility, and printing tips visit www.hp.com/go/designjet and select "printing materials."

interface and cables

C2951A IEEE-1284 compliant parallel A-B cable, 3 m

network

J4167A HP Jetdirect 610n EIO (Token Ring)

duty cycle

6 million print carriage cycles in the printer. Preventative maintenance is advised after 5 years of use assuming an average usage of 12 plots a day. For the scanner, a preventative maintenance is advised after 2 years of use, performing deep cleaning, scanning glass replacement, and camera calibration.

dimensions (w by d by h)

79.5 by 33 by 59 in (202 by 84 by 150 cm)

shipping: 81.1 by 55.7 by 39.9 in (206 by 141 by 101 cm)

weight

396.8 lb (180 kg)

shipping: 727.5 lb (330 kg)

warranty

One-year warranty with free onsite, next business day service backed by HP support centers.

what's in the box

HP Designjet Copier cc800ps, built-in HP Jetdirect 10/100 BASE-TX network card, printer and scanning system stands, media bin, spindle, power cords, USB cable for scanner to printer connection, ink cartridges, printheads, roll of media, HP-GL/2, AutoCAD and PostScript® drivers for Windows, PostScript driver for Macintosh, ZEHRRaster Plus for UNIX®, HP install network printer wizard, system recovery software CD, user documentation.
(External interface cables must be ordered separately.)

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