

# ColorWorks™ CW-D3800

Color Inkjet Label Printer with Dye Ink



**Affordable color label and badge printer for easy on-demand printing with dye ink.**



**PRECISIONCORE**  
**HEAT-FREE**

**Affordable and compact** — engineered to meet on-demand color label and badge printing needs

**Versatile media handling** — supports widths ranging from 1" to 4.25" on a wide range of media in roll and fanfold formats, offering exceptional flexibility

**Epson Genuine Ink** — dye-based ink technology delivers vibrant colors for diverse labeling applications

**Low-volume, on-demand printing** — the perfect solution for visitor management and custom, private or seasonal product labels

**Optional Wi-Fi® capability<sup>1</sup>** — print from mobile devices via the Epson ColorWorks Print app<sup>2</sup>

**High print quality** — up to 600 dpi x 1200 dpi resolution for stunning detail and clarity

**Advanced PrecisionCore® Heat-Free technology** — permanent printhead is designed to last the life of the printer and deliver reliable performance, minimal downtime and easy serviceability

**World-class service and support** — includes a 1-year limited warranty; extended service plans available for up to a total of 5 years of continuous coverage

**Seamless integration** — compatible with major operating systems such as Windows®, iOS® and Linux®; supports ESC/Label™ emulation for effortless compatibility across workflows

**Easy to operate** — color LCD screen, automatic Nozzle Verification Technology, Windows driver support, and fast media and ink loading help ensure seamless usability

*Designed for use exclusively with Epson ink cartridges\*.*

## Printer

**Print Method** Serial inkjet PrecisionCore TFP®  
**Print Speed** Up to 3.94" per second (100 mm/sec)  
**Ink Type** Epson Genuine Dye Ink  
**Ink Colors** Cyan, Magenta, Yellow and Black  
**Control Panel** 2.7" full-color graphic display and 9-key pad allow for local configuration and operation  
**Indicators** Power, status and pause LEDs, beeper  
**Color Correction** ICC color profiles, RGB spot color substitution, driver-based color adjustment  
**Banner Printing** Supports pages sent in segments to produce large signs without gaps  
**Barcode Fonts** UPC-A, UPC-E, JAN13(EAN), JAN8(EAN), Code39, ITF, Codabar, Code93, Code128, GS1-128, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded  
**Two-Dimensional Code Printing** PDF417, QR Code, Maxi Code, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked, DataMatrix, Aztec Code, MicroPDF417, Micro QR Code  
**Print Width** 4.25" (108 mm) max.  
**Cutter Life (Cuts)**  
 Paper Liner up to 1.5 M  
 Synthetic Liner up to 0.5 M  
 Continuous Matte Paper up to 0.7 M  
 Continuous Gloss Paper up to 0.75 M  
 Wristband: 0.2 M  
**Printer Durability**  
 Printhead: PrecisionCore printhead, permanent  
 Paper-Feeding Mechanism Life: 150 km or 1.5 M pages

## Ink³

**Ink Type** Epson SJC56P Dye Ink  
**Ink Colors** Cyan, Magenta, Yellow and Black  
**Ink Cartridge Configuration** Four individual ink cartridges, 40 mL each cartridge  
 This printer is designed for use with genuine Epson cartridges only, not third-party cartridges or ink\*.

## Media

**Media Sources** Internal roll-fed, rear-feed fan fold, external rear-powered unwinder  
**Media Construction** Standard die-cut label with or without black mark, die-cut label with matrix on and black mark, continuous tag stock with or without black mark, continuous paper with or without black mark, wristband with black mark  
**Media Types** Plain paper, Matte paper, Synthetic label, Gloss paper, Gloss film, Wristband  
**Width (Including Liner)**  
 Roll: 1.0" – 4.41" (25.4 mm – 112 mm)  
 Fan fold: 2.0" – 4.41" (50.8 mm – 112 mm)  
**Thickness** 0.0031" – 0.0094" (0.08 mm – 0.24 mm)  
**Label Length**  
 Max. 16" (406.4 mm)  
 Min. 0.31" (8 mm)  
**Internal Roll Size**  
 Outer Max. Diameter: 4" (101.6 mm)  
 Inner Core Diameter: 1.75" – 2.25" (44 mm – 57 mm)  
**Die-Cut Label Gap** 2 mm – 6 mm  
**Inner Core Diameter** 1.75" – 2.25" (44 mm – 57 mm)  
**Media Sensors** Gap, black mark, media cut  
**Die-Cut Label Gap** 2 mm – 6 mm  
**Black Mark Size** Min. 0.51" x 0.16" (13 mm x 4 mm) (W x H)

## General

**Interfaces** Ethernet 1000Base-T/100Base-TX/10Base-T USB 2.0  
**Operating Systems** Windows 11, 10, 8.1, Windows Server® 2019, 2016, 2012 R2 (64-bit), 2012 (64-bit), Mac® OS X® 10.9.5 or later, macOS® 11.x or later  
**Direct Command-Based Printing** Zebra® ZPL II® native language support, plus command extensions, to allow for colorization of data; ESC/Label color command language  
**SAP** Indirect Printing and High Volume Printing (HVP)  
**Remote Management Tools** Epson Device Admin, WebConfig, Epson Monitoring Tool, Printer Setting Utility, Epson Deployment Tool, EpsonNet Setup Manager, EpsonNet Config SE, Epson Firmware Updater  
**Operating Temperature**  
 41 °F to 95 °F, 5 °C to 35 °C  
 20% to 80% RH humidity

## General (Continued)

**Storage Temperature**  
 -4 °F to 140 °F, -20 °C to 60 °C  
 5% to 85% RH humidity  
**Power Consumption**  
 28.2 W Printing (average printing)  
 2.6 W Standby  
 0.13 W Power Off State  
**Rated Voltage** AC 100 V – 240 V AC  
**Rated Frequency** 50 Hz – 60 Hz  
**EMI** FCC/ICES-003 Class A, VCCI class A, CE Marking  
**Safety Standards** UL1950/CSA C22.2 No.950, TUV, GOST-R  
**Limited Warranty** 1-year depot repair

## Weight and Dimensions

**Printer Dimensions (W x D x H)** 12.2" x 11.1" x 11.2"  
 (310 mm x 283 mm x 285 mm)  
**Printer Weight** 28.7 lb (13 kg)  
**Packaging Weight and Dimensions**  
 Package Dimensions: (W x D x H) 15.6" x 17.6" x 18.5"  
 (396 mm x 446 mm x 469 mm)  
 Packaging Weight: 38.6 lb (17.5 kg)

## What's Included

ColorWorks CW-D3800 printer, AC adapter, AC cable, USB cable, Ink Cartridges (CMYK), Maintenance box, Roll paper, Safety Standards and Approvals, Start Here poster

## Eco Features

RoHS compliant  
 End-of-life options available<sup>4</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>5</sup>

## Ordering Information

ColorWorks CW-D3800 Printer	C31CK03201
SJC56P-BK	C13T58H120
SJC56P-C	C13T58H220
SJC56P-M	C13T58H320
SJC56P-Y	C13T58H420
SJMB4000 Maintenance Box	C33S021601
Paper Exit Tray OT-PT40	C32C882101
Wi-Fi Dongle OT-WL06-321	C32C891321

Media	Epson Genuine Dye Ink SJC56P
Plain paper (uncoated)	Vivid image – darker black
Matte paper (coated)	Vivid image – darker black
Matte synthetic (coated)	Vivid image – darker black
Wristband	Vivid image – darker black
Gloss paper (coated)	Vivid image – darker black
Gloss film (coated)	Vivid image – darker black

\* This product uses only genuine Epson-brand ink cartridges. Other brands of ink cartridges and ink supplies are not compatible and, even if described as compatible, may not function properly or at all.

**1** Wi-Fi CERTIFIED®: level of performance subject to the range of the router being used. | **2** Requires Epson ColorWorks Print app download and compatible mobile device. Data usage fees may apply. | **3** Part of the ink from the first cartridges/packs is used for initializing the printer. Ink usage will vary considerably based on images printed, print settings, paper type, frequency of use, temperature and humidity. Variance may be more pronounced when printing infrequently or predominantly with one ink color. Ink is used for printing and printer maintenance, and all colors must be available for printing. For print quality, a variable amount of ink remains after the "replace ink" indicator comes on. | **4** For convenient and reasonable recycling options, visit [epson.com/recycle](http://epson.com/recycle) | **5** SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.



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