

ColorWorks™ CW-D3800

Color Inkjet Label Printer with Dye Ink



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



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® capability¹ — print from mobile devices via the Epson ColorWorks Print app²

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 SJIC56P 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

Eco Features

RoHS compliant

End-of-life options available⁴

Epson America, Inc. is a SmartWay® Transport Partner⁵

Ordering Information

ColorWorks CW-D3800 Printer	C31CK03201
SJIC56P-BK	C13T58H120
SJIC56P-C	C13T58H220
SJIC56P-M	C13T58H320
SJIC56P-Y	C13T58H420
SJMB4000 Maintenance Box	C33S021601
Paper Exit Tray OT-PT40	C32C882101
Wi-Fi Dongle OT-WL06-321	C32C891321

Media	Epson Genuine Dye Ink SJIC56P
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 | **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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