

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 up to a total of 5 years of continuous coverage.

Seamless integration:

Compatible with Windows®, iOS™ and Linux®; supports ESC/Label™ emulation for effortless compatibility across workflows.

Easy to operate:

Color LCD screen, automatic Nozzle Verification Technology and fast media 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
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	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

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
Media Sensors: Gap, black mark, media cut
Black Mark Size: Min. 0.51" x 0.16" (13 mm x 4 mm) (W x H)

General

Interfaces: Ethernet 1000Base-T, USB 2.0
Operating Systems: Windows® 11, 10, 8.1, Windows Server® 2019, 2016, 2012 R2 (64-bit), 2012 (64-bit), macOS® 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
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)
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 available¹

Ordering Information

ColorWorks™ CW-D3800 Printer	C31CK03201
SJC56P-BK	C13T58H120
SJC56P-C	C13T58H220
SJC56P-M	C13T58H320
SJC56P-Y	C13T58H420
Maintenance Box SJMB4000	C33S021601
Paper Exit Tray OT-PT40	C32C882101
Wi-Fi Dongle OT-WL06	C32C891326

* 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 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.

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