

ColorWorks® C831 Inkjet Label Printer



Label Printers

Industrial

Rugged, reliable, wide color label printer for large-volume printing.

Industrial-strength label printer — designed to handle the rigors of large-volume printing

Ideal for GHS large-format drum and chemical labeling — printable area up to 8" x 22"

Accurate, intelligent paper handling — precise label feeding reduces jams

Superior ink quality for durable labels — the first inkjet solution that has been BS 5609 certified, which means labels won't smudge, smear or fade¹

Low TCO — compared to color thermal transfer or color laser printers

High-speed printing — up to 16.5 pages per minute²

Affordable, high-capacity ink cartridges — requires fewer interventions

Easy to use and maintain — easy access for ink replacement, intuitive controls, and rugged design for minimal maintenance

Reliability you can count on — backed by Epson's industry-leading service and support program

Print

Print Method MicroPiezo® inkjet technology
Ink Type Pigmented ink, 4 individual CMYK cartridges
Print Resolution 720 x 720 dpi maximum
Print Speed¹
 Draft Mode: 16.5 pages per minute
 Normal Mode: 13.6 pages per minute
 Super Fine Mode: 7.0 pages per minute
Print Width 3.0" – 9.5" (76.2 – 241.3 mm)
Media Types Continuous paper (plain paper, label, medicine bags)

Print Fonts

Barcode Font Code 39, Code 128, Interleaved 2 of 5 (printer driver built in), EAN-13, EAN-8, UPC-A, UPC-E, POSTNET, QR Code

Media Dimensions

Feed Method Push tractor feed (rear in/front out)
Width 3.0" – 9.5" (76.2 – 241.3 mm)
Length 0.5" – 22.0" (12.7 – 558.8 mm)³
Thickness 2.5 – 7.5 mil (0.065 – 0.19 mm)

Connectivity

Interfaces Hi-Speed USB, Bi-directional Parallel (IEEE-1284 ECP Mode supported), Ethernet 10/100 Base-T
Operating Systems Microsoft® Windows® 10, Windows 7 (32-bit, 64-bit), Windows Vista® SP2 (32-bit, 64-bit), Windows XP SP3 (32-bit), Windows XP SP2 (64-bit), Windows Server® 2008⁴, Windows Server 2003 R2⁴

General

Temperature
 Operating: 10 ° to 35 °C
 Storage: -20 ° to 40 °C
Relative Humidity
 Operating: 20 – 80%
 Storage: 5 – 85%
Acoustic Noise Level
 Silent Feed On: Approx. 48 dB (A)
 Silent Feed Off: Approx. 50 dB (A)
Rated Voltage AC 110 – 240 VAC
Rated Frequency 50 – 60 Hz
Power Consumption
 Printing: Approx. 20 W (mean, ISO/IEC 10561 letter)
 Standby: Approx. 2.3 W (Sleep Mode)
Weight and Dimensions (W x D x H)
 18.3" x 18.3" x 8.8"
 Weight (without ink): Approx. 26.0 lb (12.2 kg)
Safety Approvals
 Safety standards: BSMI (CN14336), Green Mark Program compliant, UL/C-UL, NOM, Argentine, CE, EN60950
 EMC standards: CNS13438 Class A
What's in the Box ColorWorks C831 printer, AC cord, ink cartridge set (CMYK), quick setup sheet, utilities/manuals, CD, power switch cover

Ordering Information

GP-C831 Inkjet Printer (EPAG)	C11CC68122
GJIC5 (C) Ink Cartridge (Cyan)	C13S020564
GJIC5 (K) Ink Cartridge (Black)	C13S020563
GJIC5 (M) Ink Cartridge (Magenta)	C13S020565
GJIC5 (Y) Ink Cartridge (Yellow)	C13S020566

¹ ColorWorks C831 inkjet printer with DURABrite® pigment ink, used in combination with Neenah Kimdura™ poly media, has been BS 5609 certified. | ² Printing the suite of ISO/IEC 24734 text and graphic images on 8.5" x 11" pages in Draft Mode. Actual print times will vary based on system configuration, software, and page complexity. | ³ Smallest individual label is 0.5" (12.7 mm). Shortest distance between perforations is 4.0" (102 mm). The last 5.5" (140 mm) of media at end of a stack or roll is a non-printable area. Total form length from one top-of-form to next top-of-form must be aligned to an exact 1/8th or 1/100th of an inch. | ⁴ Only printing is supported with Windows Server OS.

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ColorWorks® C831 inkjet label printer vs.

Primera LX2000, Kiaro! 200D, VIPColor VP700, NeuraLabel 300x

- ✓ Prints single and multiple color labels on demand at 360 x 360 dpi
- ✓ Print speeds up to 4 ips
- ✓ Epson DURABrite® pigment ink for high-quality, smudge proof labels



Model Comparison

	Epson ColorWorks C831	Primera LX2000 ¹	QuickLabel Kiaro! 200D ¹	VIPColor VP700 ¹	Neuralog NeuraLabel 300x ¹
Technology	Epson MicroPiezo® inkjet	Lexmark™ thermal inkjet	Canon® thermal inkjet	Memjet® thermal inkjet	HP® thermal inkjet
Native Resolution	360 x 360 dpi variable drop size	4800 x 1200 dpi fixed drop size	1200 x 1200 dpi fixed drop size	1600 x 1600 dpi fixed drop size	2400 x 1200 dpi fixed drop size
Color	CMYK	CMYK	CMYK	CMYK	CMYK
Printhead Life	Permanent head lasts the life of the printer²	Varies by usage	Varies by usage	500,000 inches 83,000 labels	5 years (when not exceeding 2800 pages per month)
Replacement Printhead Cost	Permanent	\$250 plus downtime and service fees	Approximately \$2500/set, plus downtime and service fees	\$495 plus downtime and service fees	Permanent
Ink/Ribbon Type	Epson DURABrite pigment ink	Dye-based ink	Pigment ink	Dye-based ink	Pigment ink
Price (msrp)	\$1995	\$3995	\$17,995	\$8995	\$4995
Estimated Minimum Printer Life	5 years³	Not stated	Not stated	Not stated	5 years (when not exceeding 2800 pages per month)
Max. Label Print Width	8.25"	8.25"	8.36"	8"	8.5"
Media Types	Fan-fold, die cut	Roll, fan-fold, die cut	Roll, fan-fold, die cut	Roll, fan-fold, die cut	Roll, fan-fold, die cut (sharply-curved paper path)
Printer Language	Windows® compatible files	Windows compatible files	Windows compatible files	Windows compatible files	Windows compatible files
Maximum Print Speeds	4 ips	6 ips	5.9 ips (printhead cold) 2 ips (printhead hot)	12 ips	20 ips
Warranty	12 mo. depot repair	12 mo. depot repair	12 mo. depot repair	12 mo. depot repair	12 mo. depot repair
Extended Warranties Available	Yes	Yes	No	No	No

¹ Information about competitor products is based on published specifications from the competitor or its technology provider available as of 12/1/2015. | ² See under Estimated Minimum Printer Life. | ³ Assumes printing 400 km (5.3 million 4 x 6 inch labels) over 5 years.

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