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EXCEED YOUR VISION

SPECIFICATION SHEET

Label Printers

Commercial

ColorWorks® CW-C6000 Series Color Inkjet Label Printers

CW-C6000A

CW-C6500P

Introducing the Future of Mission-critical Label Printing.

Reliability you can count on — engineered by Epson for demanding applications; backed by industry-leading service and support

First printer specifically designed as a color upgrade to black-and-white thermal transfer printers[1] — with similar media handling capabilities, speed, features and connectivity options, all at a comparable price point[2]

Enhanced productivity — eliminate the need to pre-print; speeds up to 5" per second[3]; fast time to first label

Astounding image quality — up to 1200 dpi resolution with various droplet sizes; crisp images comparable to pre-printed labels

Seamless integration — compatible with ZPL II, major middleware, SAP, Windows®, Mac® and Linux

Remote printer management — for managing large fleets over the network

Applicator I/O control port for truly automated workflow — supports I/O commands; can be integrated into nearly any workflow

Low cost — comparable to existing thermal transfer printers[2]

Durable, high-quality labels — meets BS 5609 certification[4]

CW-C6000P and C6500P — the first color inkjet label printer with a peel-and-present option[5]

CW-C6000A and C6500A — auto cutter included

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ColorWorks® CW-C6000 Series Color Inkjet Label Printers

Printer

Print Method: Serial inkjet PrecisionCore TFP
Image Security: Nozzle Verification Technology, auto head maintenance and auto missing dot compensation
Ink Type: UltraChrome® DL pigment ink
Ink Colors: CMYK in individual cartridges
Control Panel: 2.7" full-color graphic display and 13-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 Font: 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
Cutter Life (cuts):
Paper Liner up to 1.5 M
Synthetic Liner up to 0.5 M
Continuous Matte Paper up to 0.5 M
Continuous Gloss Paper up to 0.3 M
Continuous Synthetic up to 0.1 M
Printer Durability:
Permanent printhead
Feeding mechanism 7.8 M inches (200 km) before major service

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 label with or without black mark
Media Types: Inkjet Coated Matte Paper, Gloss Paper, High-gloss Synthetic, Fine Paper, PET Film, Matte Synthetic, Uncoated Plain Paper
Thickness: .005" – .009" (0.129 mm – 0.236 mm)
Label Length:
Max. 24" (610 mm)
Min. 0.31" (8 mm) no finishing
0.50" (13 mm) peeling
0.59" (15 mm) cutting
Roll Media Core Diameter: 3" (76 mm)
Die-cut Label Gap: 2 mm – 6 mm
Gap Sensor Location: Adjustable 0.4" – 2.4" (10 mm – 60 mm) in 0.2" (5 mm) steps from left paper guide
Black Mark Sensor Location: Fixed at 0.5" (12 mm) from left paper guide
Black Mark Size: Min. 0.72" x 0.16" (18 mm x 4 mm) (W x H)

General

Interfaces: Ethernet 1000BASE-T/100BASE-TX/10BASE-T USB 2.0
Operating System: Windows 10, 8.1, 8, 7 SP1, Windows Vista® SP2, Windows Server® 2019, 2016, 2012 R2, 2012, 2008 R2, 2008, macOS® 10.6.8 or later, Linux

General (continued)

Direct Command-based Printing: Zebra ZPL II native language support, plus command extensions, to allow for colorization of data; Epson ESC/Label color command language
General-purpose I/O Port: 25-pin D-sub connector; provides detailed status on supply levels, faults and readiness; enables control to pause, clean and print
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:
5 to 35 °C/20 – 80% RH humidity
Storage Temperature:
-20 to 60 °C/5 – 85% RH humidity
Power Consumption:
50 – 60 W Printing (average printing)
4.1 – 4.4 W Standby
0.2 – 0.5 W Power Off State
Rated Voltage: AC 100 – 240 V AC
Rated Frequency: 50 – 60 Hz
Acoustic Noise: Approx. 55 dBA
EMI: FCC/ICES-003 Class A, VCCI class A, CE Marking
Safety Standards: UL1950/CSA C22.2 No.950, TUV, GOST-R
Warranty: 1-year depot repair

What's in the Box

ColorWorks CW-C6000/CW-C6500 printer, AC power cord, full-capacity ink cartridges, maintenance box, instruction sheet, CD with utilities and manuals

Ordering Information

CW-C6000A Printer – 4" Auto Cutter	C31CH76101
CW-C6000P Printer – 4" Peel-and-present	C31CH76201
CW-C6500A Printer – 8" Auto Cutter	C31CH77101
CW-C6500P Printer – 8" Peel-and-present	C31CH77201
SJIC35P-K Ink Cartridge (Black)	C13T44B120
SJIC35P-C Ink Cartridge (Cyan)	C13T44B220
SJIC35P-M Ink Cartridge (Magenta)	C13T44B320
SJIC35P-Y Ink Cartridge (Yellow)	C13T44B420
SJMB 60/65 Maintenance Box	C33S021501
SP8X Spare Spindle 8"	C32C881301
SP4X Spare Spindle 4"	C32C881101

Model-specific Specifications	CW-C6000A	CW-C6000P	CW-C6500A	CW-C6500P
Feed	Auto Cutter	Peel-and-present	Auto Cutter	Peel-and-present
Media Width	1.0" (25 mm) - 4.4" (112 mm)	1.0" (25 mm) - 4.4" (112 mm)	1.0" (25 mm) - 8.5" (216 mm)	1.0" (25 mm) - 8.5" (216 mm)
Print Width	4.25" (108 mm)	4.25" (108 mm)	8.34" (212 mm)	8.34" (212 mm)
Roll Size O.D.	8.0" (203 mm)	8.0" (203 mm)	6.0" (153 mm)	6.0" (153 mm)
Weight - Printer (Dry)	50.7 lb (23.0 kg)	50.7 lb (23.0 kg)	57.3 lb (26.0 kg)	57.3 lb (26.0 kg)
Weight - Shipping	75.0 lb (34.0 kg)	75.0 lb (34.0 kg)	81.6 lb (37.0 kg)	81.6 lb (37.0 kg)
Dimensions - Printer (W x D x H)	13.4" x 22.2" x 12.8" (340 mm x 565 mm x 326 mm)	13.4" x 22.8" x 12.8" (340 mm x 580 mm x 326 mm)	17.5" x 20.3" x 12.8" (444 mm x 515 mm x 326 mm)	17.5" x 20.9" x 12.8" (444 mm x 530 mm x 326 mm)
Dimensions - Shipping (W x D x H)	19.5" x 27" x 18.5" (495 mm x 685 mm x 470 mm)	19.5" x 27" x 18.5" (495 mm x 685 mm x 470 mm)	24" x 28" x 19" (610 mm x 710 mm x 480 mm)	24" x 28" x 19" (610 mm x 710 mm x 480 mm)

Print Mode and Speed Table

Printer Speed (Inches Per Second)	Resolution (dpi)	Head Passes	2.2" (56 mm)	3.5" (89 mm)	6" (153 mm) (C6500 models only)	8" (203 mm) (C6500 models only)
Max. Speed	300 x 600	1	5.8	5.0	3.9	3.4
Speed	600 x 600	1	3.9	3.2	2.4	1.9
Normal	600 x 600	2.5	2.3	2.1	1.6	1.3
Quality	600 x 1200	6	0.9	0.7	0.6	0.5
Max. Quality	1200 x 1200	12	0.4	0.3	0.3	0.2

1 The CW-C6000/C6500 family is the first to bring to market the combination of features of direct ZPL II printing, peel-and-present, remote printer management, companion four- and eight-inch models, applicator I/O interface, broad middleware support, and comparable price points. | **2** Printers and consumable costs are similar when comparing similarly featured leading brand thermal transfer printers and supplies for similar high durability images on similar media. | **3** Printing in Max Speed Mode, 300 x 600 dpi, 3.2" (89 mm) print width. | **4** ColorWorks CW-C6000/C6500 inkjet printers with UltraChrome DL pigment ink, used in combination with Neenah Kimdura™ poly media, has been BS 5609 certified. | **5** Compared to color inkjet label printers available in the U.S. and Canada as of July 2019.

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