

# Your Total Process/Spot 4-Color Solution

TEC's CB-416 Thermal Color Printer



## On-Demand

The CB-416's cost-effective thermal technology makes it ideal for instant, short-run, 4-color garment tags and product and carton labels — eliminating the need to order preprinted labels and tags from an outside printhead. What's more, the CB-416's automatic adjustments guarantee the best print quality and make it extremely easy to use.



*TEC's CB-416 is so easy to operate, thanks to its Ribbon Save feature, backfeed mechanism, corner-edge printheads, and advanced registration control system.*

## Print Your Labels, Tags, and Bar Codes Within Windows

The TEC CB-416 Windows™ print driver lets you print labels and tags within Windows™, using your favorite applications. Just select our driver as your printer would select your laser printer; then select the label or tag stock size you need.

## A Complete, State-of-the-Art Networking Solution

Network the TEC CB-416-T3 via its Hitachi SH-3 32-bit RISC processor, which implements the versatile TPCL1C (TEC Programming Control Language Version 1 Color). The Centronics and serial interfaces offer connectivity with TEC Windows '95, '98, and NT™ 4.0 drivers. This machine can also communicate with mid-range host systems like the AS/400.

What's more, the TEC CB-416's powerful TPCL1C language lets you handle the most complicated label or tag design. Twenty bitmapped and seven outline fonts, plus graphic, line, box, and circle features help you solve even the most challenging retail applications. And 20 plus one dimension bar codes and 4 plus two dimensional codes give you the power you need for industrial or commercial service applications.

## Check These Advanced, Cost-Saving Features

The CB-416 is extremely inexpensive to operate, thanks to advanced features like:

- **Ribbon Save.** When a specific color ribbon is not being used, or when the CB-416 detects a non-print label area of 30 mm (1.2 in.) or more, the printer activates the Ribbon Save feature. Each print station independently activating Ribbon Save prevents non-used ribbon from advancing, saving you money.
- **Backfeed Mechanism.** Label media is backfed to the next available start position, eliminating wasted labels between batches.
- **Corner Edge Printheads.** High resolution 305 dpi corner-edge printheads employ four ribbons to produce process or spot color in a single pass, at a speedy 6 inches per second. The FETHR (Floating Edge-Type Head Revolution) provides just the right amount of head pressure to print on a wide range of substrates from thin to thick. A one-year or two million linear inch warranty also backs the FETHR printhead.
- **Advanced Registration Control System.** A motorized, on-line self-check ensures that the four printheads lay colors down atop one another with unparalleled precision and accuracy — guaranteeing superior output without mechanical re-adjustments.

# TEC

# Technical Specifications

## FEATURES

## DESCRIPTION

Print Head Resolution	12.05 dots/mm (305 dpi) Corner Edge
Number of Print Heads	4
Print Method	Thermal transfer print
Print Speed	4"/s, 6"/s
Communications Interface	Serial (2400, 4800, 9600, 19,200 baud), Centronics, External I/O

## PRINT AREA

Length	Continuous: 8 mm to 1050 mm (0.3 in. to 41.3 in.)
Strip:	N/A
Cut:	Tag: 26 mm to 1050 mm (1.0 in. to 41.3 in.; 1300 mm [51.2 in.] with extra memory) Label: 22 mm to 1050 mm (0.9 in. to 41.3 in.; 1300 mm [51.2 in.] with extra memory)
Width	10 mm to 100 mm (0.4 in. to 3.9 in.)

## MEDIA

Width	10 mm to 100 mm (0.4 in. to 51.2 in.)
Length	Continuous 8 mm to 1300 mm (0.3 in. to 51.2 in.)
Cut	Tag: 30 mm to 1300 mm (1.2 in. to 51.2 in.) Label: 30 mm to 1300 mm (0.3 in. to 51.2 in.)
Thickness	Tag: 100 µmm to 290 µmm (3.9 mils to 11.4 mils) Label: 130 µmm to 170 µmm (5.1 mils to 6.7 mils)
Outside diameter (Max)	230 mm

## RIBBON

Width	68 mm, 88 mm, 109 mm (2.7 in., 3.5 in., 4.3 in.)
Length (Max)	300 M (984 ft.)

## FORMAT

Characters - Built-in Fonts	Bit map font: 20 types (Times Roman, Helvetica, Presentation, Letter Gothic, Prestige Elite, Courier, OCR-A, OCR-B)  Outline fonts: TEC Helvetica and TEC Helvetica Proportional, Times Roman, Brush, 3 Price Fonts
Programmable Logos & Fonts	Downloadable to standard Flash ROM
Bar Codes One Dimensional	JAN8, JAN13, EAN8, EAN13, UPC-A, EAN8+2, EAN8+5, EAN13+5, UPCA+2, UPC-A+5, UPC-E+2, UPC-E+5, MSI, ITF, NW7, CODE39, CODE93, CODE 128 (subset a, b, c), UCC/EAN 128, POSTNET, RM4SCC, KIX
Two Dimensional	MAXICODE, PDF417, QR CODE, DATAMATRIX, MICRO, PDF417

## FEATURES

## DESCRIPTION

### MEMORY

Flash ROM	4 Mbytes
D-RAM	8 MB (Optional: 32 MB)

### FUNCTIONS

Ribbon Saving	Standard
Thermal Head dot check	Standard
On-the-fly format	Standard (Automatic)

### ENVIRONMENTAL REQUIREMENT

Operating	Temperature	5 <sup>0</sup> to 40 <sup>0</sup> C (41 <sup>0</sup> to 104 <sup>0</sup> F)
	Humidity	25 to 85% RH
Storage	Temperature	-40 <sup>0</sup> to 60 <sup>0</sup> C (-40 <sup>0</sup> to 140 <sup>0</sup> F)
	Humidity	10 to 90% RH
Radio Interference		FCC Class A Taiwan EMC

### ELECTRICAL

Power Supply		100 to 120 V, 50/60 Hz
Standards	Safety:	UL, CSA
	Radio Interference:	FCC Class A Taiwan EMC

### EXTERIOR

Cover	Painted Steel
Dimensions	385 (H) x 350 (W) x 520 (D) mm [15.2 (H) x 13.8 (W) x 20.5 (D) in.] 385 (H) x 350 (W) x 800 (D) mm [15.2 (H) x 13.8 (W) x 31.5 (D) in.] (With supply holder)
Weight	40 kg. (88.2 lbs.) (With supply holder)

### ACCESSORIES

Owner's Manual, Power Cord, Print Head Cleaner, Supply Holder, Brush, Cold Release Kit

### SOFTWARE

Windows Drivers 95, 98, NT 4.0 (Downloadable from [www.tecamerica.com](http://www.tecamerica.com)) (Not included with printer)

### OPTIONAL EQUIPMENT

Cutter Module (CB-1204-QM)  
Ribbon Module (CB-1004-QM)  
External Twinax to Parallel (B-4850-ETP-LP)  
External Ethernet to Parallel (B-4850EEP-LP 10 Base 2 & B-4851EEP-LP 10 Base T)

# TEC

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