

# Product Specifications

CB-416-T1-QQ  
1<sup>st</sup> Edition

**TEC** America, Inc.

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|                   |                                |                                                                                                                                                                                                     |                                                          |                   |
|-------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------|
| <b>FEATURES</b>   | Print Head Resolution          |                                                                                                                                                                                                     | 12.05 dots/mm (306.1 dpi) Corner Edge                    |                   |
|                   | Number of Print Heads          |                                                                                                                                                                                                     | 4                                                        |                   |
|                   | Print Method                   |                                                                                                                                                                                                     | Thermal transfer print                                   |                   |
|                   | Print Speed                    |                                                                                                                                                                                                     | 4"/s , 6"/s                                              |                   |
|                   | Issue Methods                  |                                                                                                                                                                                                     | Continuous (Option: cut)                                 |                   |
|                   | Media Alignment                |                                                                                                                                                                                                     | Center Loaded                                            |                   |
|                   | Communication Interface        |                                                                                                                                                                                                     | High Speed ISA Card                                      |                   |
|                   | Media Sensors                  |                                                                                                                                                                                                     | Transmissive (gap or notch), Reflective (black mark)     |                   |
|                   | Panel Switches                 |                                                                                                                                                                                                     | FEED, RESTART, PAUSE                                     |                   |
|                   | LEDs                           |                                                                                                                                                                                                     | POWER, ONLINE, ERROR                                     |                   |
|                   | LCD                            |                                                                                                                                                                                                     | 16 characters x 1 line                                   |                   |
| <b>PRINT AREA</b> | Length                         | Continuous                                                                                                                                                                                          |                                                          | 8.0 mm to 999 mm  |
|                   |                                | Cut                                                                                                                                                                                                 | Tag                                                      | 22.0 mm to 999 mm |
|                   |                                |                                                                                                                                                                                                     | Label                                                    | 22.0 mm to 999 mm |
|                   | Width                          |                                                                                                                                                                                                     | 10 to 100 mm                                             |                   |
| <b>MEDIA</b>      | Width                          |                                                                                                                                                                                                     | 47.0 mm to 107.0 mm                                      |                   |
|                   | Length                         | Continuous                                                                                                                                                                                          |                                                          | 8.0 mm to 997 mm  |
|                   |                                | Cut                                                                                                                                                                                                 | Tag                                                      | 24 mm to 997 mm   |
|                   |                                |                                                                                                                                                                                                     | Label                                                    | 24 mm to 997 mm   |
|                   | Thickness                      | Tag                                                                                                                                                                                                 | 100 µm to 290 µm                                         |                   |
|                   |                                | Label                                                                                                                                                                                               | 130 µm to 170 µm                                         |                   |
|                   | Outside Diameter (Max)         |                                                                                                                                                                                                     | 230 mm                                                   |                   |
|                   | Core Inside Diameter           |                                                                                                                                                                                                     | 76.2 mm                                                  |                   |
|                   | Gap between labels             |                                                                                                                                                                                                     | 2.0 mm to 20 mm                                          |                   |
|                   | Black Mark Length              |                                                                                                                                                                                                     | 2.0 mm to 10 mm (black mark is printed on the back side) |                   |
| <b>RIBBON</b>     | Width                          |                                                                                                                                                                                                     | 68 mm, 88 mm 109 mm                                      |                   |
|                   | Length (Max)                   |                                                                                                                                                                                                     | 300 m                                                    |                   |
|                   | TEC Models                     |                                                                                                                                                                                                     | Spot and Process                                         |                   |
|                   | Characters                     | Rotation                                                                                                                                                                                            | 0°, 90°, 180°, 270°                                      |                   |
| Colors            |                                | 4                                                                                                                                                                                                   |                                                          |                   |
| Bar Codes         | One Dimensional                | JAN8, JAN13, EAN8, EAN13, UPC-A, UPC-E, EAN8+2, EAN8+5, EAN13+2, EAN13+5, UPCA-+2, UPC-A+5, UPC-E+2, UPC-E+5, MSI, ITF, NW7, CODE39, CODE93, CODE128 (subset a, b, c), UCC/EAN 128, POSTNET, RM4SCC |                                                          |                   |
|                   | Two Dimensional                | PDF417, QR CODE, DATAMATRIX, MICRO PDF417                                                                                                                                                           |                                                          |                   |
|                   | Rotation                       | 0°, 90°, 180°, 270°                                                                                                                                                                                 |                                                          |                   |
| Line              | Type                           | Line, Rectangle, Ellipse                                                                                                                                                                            |                                                          |                   |
|                   | Outline Colors                 | 4                                                                                                                                                                                                   |                                                          |                   |
|                   | Fill Colors                    | 4                                                                                                                                                                                                   |                                                          |                   |
| Graphic           |                                | BMP                                                                                                                                                                                                 |                                                          |                   |
| Language          |                                | DLL                                                                                                                                                                                                 |                                                          |                   |
| <b>MEMORY</b>     | EE PROM                        |                                                                                                                                                                                                     | 128 Kbytes                                               |                   |
|                   | Mask ROM                       |                                                                                                                                                                                                     | 64 Kbytes                                                |                   |
|                   | D-RAM                          |                                                                                                                                                                                                     | 2 MB                                                     |                   |
|                   | S-RAM                          |                                                                                                                                                                                                     | 4 Kbytes                                                 |                   |
| <b>FUNCTIONS</b>  | Ribbon Saving                  |                                                                                                                                                                                                     | Standard                                                 |                   |
|                   | Thermal Head broken dots check |                                                                                                                                                                                                     | Standard                                                 |                   |
|                   | On-the-fly format              |                                                                                                                                                                                                     | Standard (Automatic)                                     |                   |

|                                  |                                                                                                                                                                           |               |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
| <b>OPTIONAL EQUIPMENT</b>        | Cutter Module (CB-1204-QM)<br>Ribbon Module (CB-1004-QM)<br>External Rewinder (B-RW01-LP)<br>Print Head Fan Kit (FMBC0059101)<br>Super Premium Ribbon Kit (CB-1904-RK-QM) |               |                                                                                       |
| <b>ENVIRONMENTAL REQUIREMENT</b> | Operating                                                                                                                                                                 | Temperature   | 5 to 40 °C                                                                            |
|                                  |                                                                                                                                                                           | Humidity      | 25 to 85% RH                                                                          |
|                                  | Storage                                                                                                                                                                   | Temperature   | -40 to 60 °C                                                                          |
|                                  |                                                                                                                                                                           | Humidity      | 10 to 90% RH                                                                          |
| <b>ELECTRICAL</b>                | Power Supply                                                                                                                                                              |               | 100 to 120 V, 50/60 Hz                                                                |
|                                  | Standards                                                                                                                                                                 | Safety:       | UL, CSA                                                                               |
|                                  |                                                                                                                                                                           | Radio         | FCC Class A                                                                           |
|                                  |                                                                                                                                                                           | Interference: | Taiwan EMC                                                                            |
| <b>EXTERIOR</b>                  | Cover                                                                                                                                                                     |               | Painted Steel                                                                         |
|                                  | Dimensions                                                                                                                                                                |               | 385 (H) x 350 (W) x 520 (D) mm<br>385 (H) x 350 (W) x 800 (D) mm (with supply holder) |
|                                  | Supply Roll Holder                                                                                                                                                        |               | External Unwind                                                                       |
|                                  | Operation Panel                                                                                                                                                           |               | Plastic                                                                               |
|                                  | Color                                                                                                                                                                     | Cover         | Beige                                                                                 |
|                                  |                                                                                                                                                                           | Panel         | Beige                                                                                 |
|                                  | Weight                                                                                                                                                                    |               | 35 Kg (With supply holder)                                                            |
| <b>ACCESSORIES</b>               | Owner's Manual, Power Cord, Print Head Cleaner, Supply Holder, Brush                                                                                                      |               |                                                                                       |
| <b>SOFTWARE</b>                  | Windows Drivers 3.1, 95/98 (Downloadable from <a href="http://www.tecamerica.com">www.tecamerica.com</a> )<br>(Not included with printer)                                 |               |                                                                                       |