

# TSC

The Smarter Choice.

CELEBRATING 20 YEARS



## TTP-2410M PRO SERIES – Industrial Thermal Transfer Bar Code Printer DURABLE HIGH-SPEED PERFORMANCE



### KEY FEATURES

- Ethernet, USB 2.0, serial and parallel connectivity are standard
- Heavy duty die-cast aluminum design
- 300 dpi & 600 dpi resolution options
- 600 meter ribbon supply
- Large LCD display with 6-button menus
- 8 MB Flash and 32 MB SDRAM memory
- SD Flash memory expansion up to 4 GB
- Up to 305 mm (12") per sec. print speed
- 32 bit RISC processor
- PS/2 keyboard interface for stand-alone printing
- TSPL-EZ™ firmware for plug-n-play ease
- Powerful basic programming tools
- Options include: USB host for use with keyboards; peel, present & rewind; GPIO connectivity; Bluetooth module; external 802.11 b/g/n wireless module; knife & rotary cutters

### APPLICATIONS

- Industrial-duty Printing
- Healthcare Patient Safety
- Compliance Labeling
- Work In Process
- Order Fulfillment
- Distribution
- Shipping/ Receiving
- Ticketing
- Electronics & Jewelry Labeling

# TTP-2410M PRO SERIES – Industrial Thermal Transfer Bar Code Printer

| PRINTER MODEL             | Industrial model   |                            |                            | Economy Model  |                            |
|---------------------------|--|----------------------------|----------------------------|--|----------------------------|
|                           | TTP-2410M Pro  | TTP-346M Pro               | TTP-644M Pro               | TTP-246M Pro   | TTP-344M Pro               |
| Resolution                | 8 dots/mm (203 DPI)  | 12 dots/mm (300 DPI)       | 24 dots/mm (600 DPI)       | 8 dots/mm (203 DPI)  | 12 dots/mm (300 DPI)       |
| Printing method           | Thermal Transfer & Direct Thermal  |                            |                            |  |                            |
| Max. print speed          | 305 mm (12")/second  | 203 mm (8")/second         | 102 mm (4")/second         | 203 mm (8")/second   | 152 mm (6")/second         |
| Max. print width          |  | 104 mm (4.09")             |                            | 108 mm (4.25")   | 104 mm (4.09")             |
| Max. print length         | 4,064 mm (160")  | 1,854 mm (73")             | 1,016 mm (40")             | 2,286 mm (90")   | 1,016 mm (40")             |
| Enclosure                 | Die-cast aluminum base and frame/Metal cover with large clear media view window  |                            |                            |  |                            |
| Physical dimension        | 270 mm (W) x 308 mm (H) x 505 mm (D)<br>10.63" (W) x 12.13" (H) x 19.88" (D)   |                            |                            |  |                            |
| Weight                    | 15 kg (33.07 lbs)  |                            |                            |  |                            |
| Label roll capacity       | 208.3 mm (8.2") OD   |                            |                            |  |                            |
| Ribbon                    | 600 m long, max. OD 90 mm, 1" core (ink coated outside or inside)  |                            |                            |  |                            |
| Ribbon width              | 25.4 mm ~ 114.3 mm (1" ~ 4.5")   |                            |                            |  |                            |
| Processor                 | 32-bit RISC CPU  |                            |                            |  |                            |
| Memory                    | <ul style="list-style-type: none"> <li>• 4 MB Flash memory</li> <li>• 32 MB SDRAM</li> <li>• SD Flash memory card reader for Flash memory expansion, up to 4 GB</li> </ul>   |                            |                            | <ul style="list-style-type: none"> <li>• 4 MB Flash memory</li> <li>• 8 MB SDRAM</li> <li>• SD Flash memory card reader for Flash memory expansion, up to 4 GB (dealer option)</li> </ul>  |                            |
| Interface                 | <ul style="list-style-type: none"> <li>• RS-232</li> <li>• Centronics</li> <li>• USB 2.0</li> <li>• PS/2 keyboard</li> <li>• Internal Ethernet, 10/100 Mbps</li> <li>• USB host, for scanner or PC keyboard (factory option)</li> <li>• GPIO (factory option)</li> <li>• Bluetooth (user option)</li> <li>• External 802.11 b/g/n wireless (user option)</li> </ul>  |                            |                            | <ul style="list-style-type: none"> <li>• RS-232</li> <li>• Centronics</li> <li>• USB 2.0</li> <li>• USB host, for scanner or PC keyboard (factory option)</li> <li>• PS/2 keyboard (dealer option)</li> <li>• Internal Ethernet, 10/100 Mbps (dealer option)</li> <li>• GPIO (dealer option)</li> <li>• Bluetooth (user option)</li> <li>• External 802.11 b/g/n wireless (user option)</li> </ul> |                            |
| Power                     | Internal switching power supply<br>• Input: AC 100-240V, 2A, 50-60Hz<br>• Output: DC 24V, 5A, 120W   |                            |                            | Internal switching power supply<br>• Input: AC 100-240V, 3A, 50-60Hz<br>• Output: DC 24V, 3.3A, 80W  |                            |
| LCD                       | Graphic type, 128 x 64 pixel, with back light  |                            |                            |  |                            |
| Operation switch, button  | 1 power switch, 6 operation buttons (Menu, Pause, Feed, Up, Down, Select)  |                            |                            |  |                            |
| Sensors                   | <ul style="list-style-type: none"> <li>• Gap transmissive sensor (position adjustable)</li> <li>• Black mark reflective sensor (position adjustable)</li> <li>• Head open sensor</li> <li>• Ribbon end sensor</li> </ul>   |                            |                            |  |                            |
| Real time clock           | Standard   |                            |                            |  |                            |
| Internal fonts            | <ul style="list-style-type: none"> <li>• 8 alpha-numeric bitmap fonts</li> <li>• Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> </ul>   |                            |                            |  |                            |
| Bar code                  | <ul style="list-style-type: none"> <li>• 1D bar code<br/>Code 39, Code 93, Code 128UCC, Code 128 subsets A,B,C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPCA-A, UPCA-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST, GS1 DataBar, Logmars</li> <li>• 2D bar code<br/>PDF-417, Maxicode, DataMatrix, QR code, Aztech</li> </ul>   |                            |                            |  |                            |
| Font and barcode rotation | 0, 90, 180, 270 degree   |                            |                            |  |                            |
| Printer language          | TSPL-EZ™ (Compatible to EPL, ZPL, ZPL II)  |                            |                            |  |                            |
| Media type                | Continuous, die-cut, fan-fold, tag, notched, black mark, perforated, care label (outside wound)  |                            |                            |  |                            |
| Media width               | 25.4 ~ 118 mm (1" ~ 4.6")  |                            |                            |  |                            |
| Media thickness           | 0.06 ~ 0.30 mm (2.36 ~ 11.81 mil)  |                            |                            |  |                            |
| Media core diameter       | 25.4 ~ 76.2 mm (1" ~ 3")   |                            |                            |  |                            |
| Label length              | 5 ~ 4,064 mm (0.20" ~ 160")  | 5 ~ 1,854 mm (0.20" ~ 73") | 5 ~ 1,016 mm (0.20" ~ 40") | 5 ~ 2,286 mm (0.20" ~ 90")   | 5 ~ 1,016 mm (0.20" ~ 40") |
| Environment condition     | Operation: 5 ~ 40°C, 20 ~ 85% non-condensing<br>Storage: -40 ~ 60°C, 5 ~ 90% non-condensing  |                            |                            |  |                            |
| Safety regulation         | FCC Class A, CE Class A, C-Tick Class A, UL, CUL, TÜV/Safety, CCC, CB  |                            |                            |  |                            |
| Environmental concern     | Comply with RoHS, WEEE   |                            |                            |  |                            |
| Accessories               | <ul style="list-style-type: none"> <li>• Windows labeling software CD disk</li> <li>• Quick start guide</li> <li>• USB cable</li> <li>• Power cord</li> </ul>  |                            |                            |  |                            |
| Limited warranty          | <ul style="list-style-type: none"> <li>• Printer: 2 years</li> <li>• Print head: 25 km (1 million inches) or 12 months which comes first</li> <li>• Platen: 50 km (2 million inches) or 12 months which comes first</li> </ul>   |                            |                            |  |                            |
| Factory options           | <ul style="list-style-type: none"> <li>• GPIO interface</li> <li>• USB host, for scanner or PC keyboard</li> <li>• Internal rewinding kit (include internal rewind &amp; label redirect front panel)</li> <li>• Peel-off kit (include internal rewind &amp; peel off module)</li> </ul>  |                            |                            | N/A  |                            |
| Dealer options            | <ul style="list-style-type: none"> <li>• Internal rewinding kit (include internal rewind &amp; label redirect front panel)</li> <li>• Peel-off kit (include internal rewind &amp; peel off module)</li> <li>Multi-interface board:               <ul style="list-style-type: none"> <li>• Configuration 1: Internal Ethernet interface (10/100 Mbps) + PS/2 keyboard interface + SD Flash memory card reader</li> <li>• Configuration 2: USB host + Internal Ethernet interface (10/100 Mbps) + PS/2 keyboard interface + SD Flash memory card reader</li> <li>• Configuration 3: GPIO interface + USB host + Internal Ethernet interface (10/100 Mbps) + PS/2 keyboard interface + SD Flash memory card reader</li> </ul> </li> </ul> |                            |                            |  |                            |
| User options              | <ul style="list-style-type: none"> <li>• Bluetooth module (serial interface)</li> <li>• 802.11 b/g/n wireless module (serial interface)</li> <li>• Regular cutter (full cut guillotine cutter)</li> <li>• Heavy duty cutter (rotary cutter)</li> <li>• Care label cutter (rotary cutter)</li> <li>• KP-200 Plus series keyboard</li> <li>• KU-007 Plus programmable smart keyboard</li> </ul>  |                            |                            |  |                            |



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