



## **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                    | • 8 MB Flash memory<br>• 32 MB SDRAM<br>• SD Flash memory card reader for Flash memory expansion, up to 4 GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |                            | • 4 MB Flash memory<br>• 8 MB SDRAM<br>• SD Flash memory card reader for Flash memory expansion, up to 4 GB (dealer option)                                                                                                                                                                      |                            |
| Interface                 | • RS-232<br>• Centronics<br>• USB 2.0<br>• PS/2 keyboard<br>• Internal Ethernet, 10/100 Mbps<br>• USB host, for scanner or PC keyboard (factory option)<br>• GPIO (factory option)<br>• Bluetooth (user option)<br>• External 802.11 b/g/n wireless (user option)                                                                                                                                                                                                                                                                                                                      |                            |                            | • RS-232<br>• Centronics<br>• USB 2.0<br>• USB host, for scanner or PC keyboard (factory option)<br>• PS/2 keyboard (dealer option)<br>• Internal Ethernet, 10/100 Mbps (dealer option)<br>• GPIO (dealer option)<br>• Bluetooth (user option)<br>• External 802.11 b/g/n wireless (user option) |                            |
| 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                   | • Gap transmissive sensor (position adjustable)<br>• Black mark reflective sensor (position adjustable)<br>• Head open sensor<br>• Ribbon end sensor                                                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |
| Real time clock           | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |
| Internal fonts            | • 8 alpha-numeric bitmap fonts<br>• Monotype Imaging® true type font engine with one CG Tiumvirate Bold Condensed scalable font                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |
| Bar code                  | • 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, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST, CSI DataBar, Logmars<br>• 2D bar code<br>PDF-417, Maxicode, DataMatrix, QR code, Aztech                                                                                                                                                                                                                                                                                   |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |
| 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     | Opeation: 5 ~ 40°C, 20 ~ 85% non-condensing<br>Stoage: -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               | • Windows labeling software CD disk<br>• Quick start guide<br>• USB cable<br>• Power cord                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |
| Limited warranty          | • Printer: 2 years<br>• Print head: 25 km (1 million inches) or 12 months which comes first<br>• Platen: 50 km (2 million inches) or 12 months which comes first                                                                                                                                                                                                                                                                                                                                                                                                                       |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |
| Factory options           | • GPIO interface<br>• USB host, for scanner or PC keyboard<br><br>• Internal rewinding kit (include internal rewind & label redirect front panel)<br>• Peel-off kit (include internal rewind & peel off module)                                                                                                                                                                                                                                                                                                                                                                        |                            |                            | N/A                                                                                                                                                                                                                                                                                              |                            |
| Dealer options            | • Internal rewinding kit (include internal rewind & label redirect front panel)<br>• Peel-off kit (include internal rewind & peel off module)<br>Multi-interface board:<br>• Configuration 1: Internal Ethernet interface (10/100 Mbps) + PS/2 keyboard interface + SD Flash memory card reader<br>• Configuration 2: USB host + Internal Ethernet interface (10/100 Mbps) + PS/2 keyboard interface + SD Flash memory card reader<br>• Configuration 3: GPIO interface + USB host + Internal Ethernet interface (10/100 Mbps) + PS/2 keyboard interface + SD Flash memory card reader |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |
| User options              | • Bluetooth module (serial interface)<br>• 802.11 b/g/n wireless module (serial interface)<br>• Regular cutter (full cut guillotine cutter)<br>• Heavy duty cutter (rotary cutter)<br>• Care label cutter (rotary cutter)<br>• KP-200 Plus series keyboard<br>• KU-007 Plus programmable smart keyboard                                                                                                                                                                                                                                                                                |                            |                            |                                                                                                                                                                                                                                                                                                  |                            |



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