

# THE NEW PRICE-PERFORMANCE LEADER



## TTP-2410M SERIES INDUSTRIAL THERMAL TRANSFER BAR CODE PRINTER

The new die-cast aluminum label printers from TSC are designed for your most demanding barcode and identification needs, without breaking your budget.

### TTP-2410M

Never before have so many standard features been packed into a label printer at such an affordable price. The TTP-2410M boasts a print speed up to 12 inches per second. This is the fastest printer in the TSC lineup and also provides the fastest label throughput of any similar printer. By combining high speeds with the TTP-2410M series durable die-cast aluminum frame, the TTP-2410M is ideal for your mission critical printing applications, either on-demand or in batches.

TTP-2410M standard features include internal Ethernet, USB 2.0 and PS/2 keyboard interface. The electronics include 32MB SDRAM, 8 MB FLASH memory and a slot for an SD card so users can inexpensively add up to 4 GB of additional FLASH storage. The mechanism supports up to a 600 meter ribbon length and a full 8.2" OD media roll, with an optional peel-off kit include internal rewind, label peel & present sensor. All of this offered at an affordable price, and with a two year limited warranty.

### TTP-246M PLUS ECONOMY MODELS

Built specifically for the budget-minded, the TTP-246M Plus barcode printer features the basic

requirements for most applications at an affordable price without skimping on quality. With an easy to understand 6 button display and proven side-load design, it's quick to learn, use, and load, so operators can focus on more productive tasks. The printer offers standard serial, parallel and USB connectivity, and optional internal Ethernet networking for simple integration.

### 300 DPI UPGRADE

Higher 300 dpi resolutions are available in either factory versions or as a field upgrade. The upgrade kit includes a new printhead with firmware and takes 30 minutes to install.

### 600 DPI OPTION

Based on the same die-cast aluminum chassis, a version of 600 dpi resolutions is available as a factory option. The printer offers speed of up to 4 ips and a generous 32 MB SDRAM, 8 MB FLASH memory as well as a SD card slot.

### POWERFUL TSPL-EZ™ PRINTER PROGRAMMING LANGUAGE

TSC ships TSPL-EZ™ firmware in all its printers. TSPL-EZ™ supports three different printer languages including TSC printer language, TPLE (Translation Printer Language Eltron®), and TPLZ (Translation Printer Language Zebra®). TSPL-EZ™ features internal scalable True Type fonts, and a BASIC interpreter with file manager for creating powerful printer interface applications with multiple type of hosts.

The TTP-2410M platform is perfect for:

- Industrial duty printing
- Health care patient safety
- Compliance labeling
- Work in process
- Order fulfillment
- Distribution
- Shipping/receiving
- Ticketing



Value • Performance • Support



# TTP-2410M SERIES

## INDUSTRIAL THERMAL TRANSFER BAR CODE PRINTER



### SPECIFICATIONS

| Printer model            | Industrial model   |                            |                          | Economy model   |                          |
|--------------------------|--|----------------------------|--------------------------|---|--------------------------|
|                          | TTP-2410M  | TTP-346M                   | TTP-644M                 | TTP-246M Plus   | TTP-344M Plus            |
| Resolution               | 203 DPI  | 300 DPI                    | 600 DPI                  | 203 DPI   | 300 DPI                  |
| Printing method          | Thermal Transfer and/or Direct Thermal   |                            |                          |   |                          |
| Max. print speed         | Up to 12 ips   | Up to 8 ips                | Up to 4 ips              | Up to 8 ips   | Up to 6 ips              |
| Max. print width         | 104 mm (4.09")   |                            |                          | 108 mm (4.25")  | 104 mm (4.09")           |
| Max. print length        | 4064 mm (160")   | 1854.2 mm (73")            | 1016 mm (40")            | 2286 mm (90")   | 1016 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) or 10.63" (W) x 12.13" (H) x 19.88" (D)   |                            |                          |   |                          |
| Weight                   | 15 kg  |                            |                          |   |                          |
| Label roll capacity      | 208.3 mm (8.2") OD   |                            |                          |   |                          |
| Ribbon                   | 600 meter long, 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>• 8MB Flash memory</li> <li>• 32MB SDRAM</li> <li>• SD Flash memory card slot for Flash memory expansion</li> </ul>   |                            |                          | <ul style="list-style-type: none"> <li>• 4MB Flash memory</li> <li>• 8MB SDRAM</li> </ul>   |                          |
| Interface                | <ul style="list-style-type: none"> <li>• RS-232C (2400 - 115200 bps)</li> <li>• Centronics (SPP mode)</li> <li>• USB 2.0 client (full speed)</li> <li>• PS/2 keyboard interface</li> <li>• Internal Ethernet print server</li> </ul>   |                            |                          | <ul style="list-style-type: none"> <li>• RS-232C (2400- 115200 bps)</li> <li>• Centronics (SPP mode)</li> <li>• USB 2.0 client (full speed)</li> </ul>  |                          |
| Power                    | Internal switching power supply<br><ul style="list-style-type: none"> <li>• Input: 115-230V~, 6.3/3.15A, 50/60Hz</li> <li>• Output: 24V , 8.33A, 200W</li> </ul>   |                            |                          | Internal switching power supply<br><ul style="list-style-type: none"> <li>• Input: 115-230V~, 3A, 50/60Hz</li> <li>• Output: 24V, 3.3A, 80W</li> </ul>  |                          |
| LCD display              | Graphic type, 128 x 64 pixel, with back light  |                            |                          |   |                          |
| Operation switch, button | 1 power switch, 6 operation buttons  |                            |                          |   |                          |
| Sensors                  | <ul style="list-style-type: none"> <li>• Position adjustable transmissive/reflective sensor</li> <li>• Ribbon end sensor</li> <li>• Head open 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                 | 1D bar code<br>Code 39, Code 93, Code128UCC, Code128 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, GS1 DataBar, Logmars<br>2D bar code<br>PDF-417, Maxicode, DataMatrix, QR code, Aztech   |                            |                          |   |                          |
| Font & barcode rotation  | 0, 90, 180, 270 degree   |                            |                          |   |                          |
| Command set              | TSPL-EZ™   |                            |                          |   |                          |
| Media type               | Continuous, die-cut, fan-fold, tag, notched, black mark, perforated, care label  |                            |                          |   |                          |
| Media width              | 25.4~118 mm (1" ~ 4.6")  |                            |                          |   |                          |
| Media thickness          | 0.06~0.30 mm (2.3~11.8 mil), 300g/m <sup>2</sup>   |                            |                          |   |                          |
| Media core diameter      | 25.4~76.2 mm (1"~3")   |                            |                          |   |                          |
| Label length             | 5~4064 mm<br>(0.20"~160")  | 5~1854.2 mm<br>(0.20"~73") | 5~1016 mm<br>(0.20"~40") | 5~2286 mm<br>(0.20"~90")  | 5~1016 mm<br>(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, TUV/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> </ul>   |                            |                          | <ul style="list-style-type: none"> <li>• USB cable</li> <li>• Power cord</li> </ul>   |                          |
| Limited warranty         | <ul style="list-style-type: none"> <li>• Print head: 1 million inches (25 km) or 12 months which comes first</li> <li>• Printer: 2 years</li> </ul>  |                            |                          | <ul style="list-style-type: none"> <li>• Platen: 50 km</li> </ul>   |                          |
| Factory options          | <ul style="list-style-type: none"> <li>• RFID ready printer</li> <li>• Applicator I/O interface</li> </ul>   |                            |                          | <ul style="list-style-type: none"> <li>• RFID ready printer</li> </ul>  |                          |
| 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> </ul>  |                            |                          | <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 print server + PS/2 keyboard interface + SD flash memory card slot</li> <li>• Configuration 2: Applicator I/O interface + Internal Ethernet print server + PS/2 keyboard interface + SD flash memory card slot</li> </ul> </li> </ul> |                          |
| User options             | Regular cutter<br><ul style="list-style-type: none"> <li>• Paper thickness: 0.06~0.19 mm (max. paper weight 190g/ m<sup>2</sup>), 500,000 cuts</li> <li>• Paper thickness: 0.20~0.25 mm (max. paper weight 250g/ m<sup>2</sup>), 200,000 cuts</li> </ul> Heavy duty cutter<br><ul style="list-style-type: none"> <li>• Paper thickness: 0.06~0.20 mm (max. paper weight 200g/ m<sup>2</sup>), 1,000,000 cuts</li> <li>• Paper thickness: 0.21~0.30 mm (max. paper weight 300g/ m<sup>2</sup>), 500,000 cuts</li> </ul> |                            |                          | <ul style="list-style-type: none"> <li>• KP-200 Plus series keyboard</li> <li>• KU-007 Plus programmable smart keyboard</li> </ul>  |                          |

