

# DURABLE HIGH-SPEED PERFORMANCE



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

The new high speed Pro Series features many improvements designed to increase the functionality and durability of TSC's flagship industrial printer line.

### PRO SERIES ENHANCEMENTS

The TTP-2410M Pro Series is based on the proven TTP-2410M platform with many significant changes. The new Pro Series features a separate die-cast aluminium base plate and backplane that includes a metal media supply spindle and sturdy two roller damper. This new design results in a more durable printer that is suited for your most heavy-duty demand cycles.

Other enhancements include a new motor mount for quieter printing, a gap sensor lock to keep the label sensor from shifting, and a new anti-static ribbon brush. Finally, TSC has added an optional USB Host option for applications that require the use of either a USB scanner or keyboard.

### SUPERB RESOLUTION, GREAT WARRANTY

There are three models available with the TTP-2410M Pro Series. The TTP-2410M Pro prints at 203 dpi at speeds up to twelve inches per second, TTP-346M Pro offers 300-dpi resolution at speeds up to eight inches per second, and the TTP-644M Pro features 600 dpi resolution which makes it ideal for printing very small 2D barcodes, graphics, fine print and other ultra-high-resolution images. All TSC printers feature a standard two-year limited warranty.

### LOADED WITH STANDARD FEATURES

The TTP-2410M Pro Series printers are loaded with standard features including support for 600 meter ribbons, 8.2"OD media rolls, a large 6-button LCD display, built-in Ethernet, a PS/2 keyboard interface, and USB 2.0, parallel and serial interfaces. An industry-standard GPIO port or a USB Host port is available as an option.

### MEMORY TO SPARE

The Pro Series offers plenty of memory, including 32 MB SDRAM

and 8 MB FLASH, which provides easy storage of fonts, international character sets and graphics. The Pro Series also includes a secure digital (SD) FLASH memory card slot for inexpensively adding up to 4 GB of memory.

### ECONOMY MODELS

Built specifically for the budget-minded, the TTP-246M Pro 203 dpi and TTP-344M Pro 300 dpi printers offer the same heavy duty design of the TTP-2410M Pro but operate at slower speeds. The Plus standard features include a 6-button LCD display, 8 MB SDRAM, 4 MB FLASH with serial, parallel and USB connectivity, and optional internal Ethernet networking for simple integration.

### 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.

### KEY SERIES 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 and scanners; peel, present & rewind; General purpose IO connectivity; knife & rotary cutters

### TTP-2410M Pro SERIES MARKETS

- Industrial-duty printing
- Healthcare patient safety
- Compliance labeling
- Work in process
- Order fulfillment
- Distribution
- Shipping/ receiving
- Ticketing
- Electronics & jewelry labeling



*Value • Performance • Support*

# TTP-2410M PRO SERIES

## INDUSTRIAL THERMAL TRANSFER BAR CODE PRINTER

### SPECIFICATIONS



Printer model	Industrial model			Economy model	
	TTP-2410M Pro	TTP-346M Pro	TTP-644M Pro	TTP-246M Pro	TTP-344M Pro
Resolution	203 DPI	300 DPI	600 DPI	203 DPI	300 DPI
Printing method	Thermal Transfer & 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, 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>8 MB FLASH memory</li> <li>32 MB SDRAM</li> <li>SD FLASH memory card slot for FLASH memory expansion</li> </ul>			<ul style="list-style-type: none"> <li>4 MB FLASH memory</li> <li>8 MB 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 <ul style="list-style-type: none"> <li>Input: AC 100-240V, 2A, 50-60Hz</li> <li>Output: DC 24V, 5A, 120W</li> </ul>			Internal switching power supply <ul style="list-style-type: none"> <li>Input: AC 100-240V, 3A, 50/60Hz</li> <li>Output: DC 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 Code 39, Code 93, Code 128 UCC, 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, GS1 DataBar, Logmars 2D bar code 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), 300 g/m <sup>2</sup>				
Media core diameter	25.4~76.2 mm (1"~3")				
Label length	5~4064 mm (0.20"~160")	5~1854.2 mm (0.20"~73")	5~1016 mm (0.20"~40")	5~2286 mm (0.20"~90")	5~1016 mm (0.20"~40")
Environment condition	Operation: 5 ~ 40°C, 20 ~ 85% non-condensing 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>Print head: 1 million inches (25 km) or 12 months which comes first</li> <li>Printer: 2 years</li> <li>Platen: 50 km</li> </ul>				
Factory options	<ul style="list-style-type: none"> <li>Applicator I/O interface</li> <li>USB host, for scanner or PC keyboard</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> </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: USB host + Internal Ethernet print server + PS/2 keyboard interface + SD FLASH memory card slot</li> <li>Configuration 3: Applicator I/O interface + USB host + Internal Ethernet print server + PS/2 keyboard interface + SD FLASH memory card slot</li> </ul> </li> </ul>	
User options	<ul style="list-style-type: none"> <li>Bluetooth module (serial interface)</li> <li>Cutter module</li> <li>HCS-200 long range CCD scanner</li> </ul>			<ul style="list-style-type: none"> <li>KP-200 Plus series keyboard</li> <li>KU-007 Plus programmable smart keyboard</li> </ul>	

