



© 2014 TSC

T-4502PRO SERIES – Desktop Thermal Transfer Bar Code Printer **SUPERIOR, FAST, AFFORDABLE PERFORMANCE, FEATURING LEGENDARY TSC DURABILITY**

KEY FEATURES

- 152.4 mm (6") per second print speed
- 300 meter (984') ribbon supply on a 25.4 mm (1") core (coated outside)
- 72 to 110 meter (361') ribbon supply on a 12.7 mm (0.5") core (coated outside)
- 127 mm (5") OD internal media supply, optional external media holder supports 214 mm (8.4") OD label rolls on 76.2 mm (3") core
- Print mechanism for kiosk applications
- 64 MB SDRAM, 128 MB Flash memory for T-4502PRO/T-4503PRO
- Internally scalable true type fonts
- TSPL-EZD firmware emulates TPLE, TPLZ, and TPLD languages out of the box
- Free Windows® drivers and label design software (available via download)
- ENERGY STAR® qualified

APPLICATIONS

- **Manufacturing & Warehousing**
 - Work in Progress
 - Item Labels
 - Instruction Labels
 - Agency Labels
- **Healthcare**
 - Patient Identification
 - Pharmacy
 - Specimen Identification
- **Parcel Post**
 - Shipping Labels
 - Receiving Labels
- **Small Office/Home Office**
 - Shipping Labels
 - File folder labels
 - Product identification
- **Retail Marking**
 - Price Tags
 - Shelf Labels
 - Jewelry Tags



© 2014 TSC

T-4502PRO SERIES – Desktop Thermal Transfer Bar Code

PRINTER MODEL	T-4502PRO	T-4503PRO
Resolution	8 dots/mm (203 DPI)	12 dots/mm (300 DPI)
Printing method	Thermal Transfer & Direct Thermal	
Max. print speed	152.4 mm (6")/second	127 mm (5")/second
Max. print width	108 mm (4.25")	105.7 mm (4.16")
Max. print length	25400 mm (1000")	11,430 mm (450")
Enclosure	ABS plastic	
Physical dimension	204 mm (W) x 164 mm (H) x 280 mm (D) 8.03" (W) x 6.46" (H) x 11.02" (D)	
Weight	2.5 kg (5.51 lbs)	
Label roll capacity	127 mm (5") OD	
Ribbon	300 m long, max. OD 67 mm, 1" core (ink coated outside) 110 m long, max. OD 40 mm, 0.5" core (ink coated outside)	
Ribbon width	40 mm ~ 110 mm (1.6" ~ 4.3")	
Processor	32-bit RISC CPU	
Memory	<ul style="list-style-type: none"> • 128 MB Flash memory • 64 MB SDRAM 	
Interface	<ul style="list-style-type: none"> • USB 2.0 • Internal Ethernet, 10/100 Mbps • RS232 • USB host, for scanner or PC keyboard • Internal Bluetooth 4.0 (factory option) 	
Power	External universal switching power supply <ul style="list-style-type: none"> • Input: AC 100-240V, 2.5A, 50-60Hz • Output: DC 24V, 2.5A, 60W 	
Operation switch, button LED	1 power switch, 1 feed and pause button & 1 LED (3 colors: green, amber & red)	
Sensors	<ul style="list-style-type: none"> • Transmissive gap sensor • Black mark reflective sensor (position adjustable) • Ribbon end sensor • Head open sensor 	
Real Time Clock	Standard	
Buzzer	Standard	
Internal fonts	<ul style="list-style-type: none"> • 8 alpha-numeric bitmap fonts • Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font 	
Bar code	<ul style="list-style-type: none"> • 1D bar code Code 128UCC, Code 128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Code 39, Code 39 with check digit, Code 93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, Code 11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS • 2D bar code GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417 	
Font and barcode rotation	0, 90, 180, 270 degree	
Printer language	TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)	
Media type	Continuous, die-cut, black mark, fan-fold, notched (outside wound)	
Media width	20 ~ 112 mm (0.8" ~ 4.4")	
Media thickness	0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)	
Media core diameter	25.4 ~ 38 mm (1" ~ 1.5")	
Label length	5 ~ 25,400 mm (0.2" ~ 1000")	5 ~ 11,430 mm (0.2" ~ 450")
Environment condition	Operation: 5 ~ 40°C, 25 ~ 85% non-condensing Storage: -40 ~ 60°C, 10 ~ 90% non-condensing	
Safety regulation	FCC Class B, CE Class B, C-Tick Class B, UL, cUL, TUV/safety, CCC, EAC, CoC, BIS, KC, Energy Star®	
Environmental concern	Comply with RoHS, REACH, WEEE	
Accessories	<ul style="list-style-type: none"> • Windows labeling software CD disk • Quick start guide • USB cable • Power cord • External universal switching power supply • 1" label spindle, fixing tab x 2, 1.5" adapter x 2 • 1" ribbon spindle x 2 for 300M ribbon • 1" ribbon paper core 	
Limited warranty	<ul style="list-style-type: none"> • Printer: 2 years • Print head: 25 km (1 million inches) or 12 months which comes first • Platen: 50 km (2 million inches) or 12 months which comes first 	
Factory options		
Dealer options	<ul style="list-style-type: none"> • Peel-off module • Guillotine cutter (full cut and partial cut) 	
User options	<ul style="list-style-type: none"> • External roll mount, media OD. 214 mm (8.4") with 76.2 mm (3") core • KP-200 Plus keyboard display unit • KU-007 Plus programmable smart keyboard 	



CORPORATE HEADQUARTERS

TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

LI ZE PLANT

TSC Auto ID Technology Co., Ltd.
Tel: +886 3 990 6677
E-mail: apac_sales@tscprinters.com

AMERICAS

TSC Auto ID Technology America Inc.
Tel: +1 657 258 0808
E-mail: americas_sales@tscprinters.com

MEXICO

TSC Mexico Representative Office
Tel: +52 (33) 3165 7379
E-mail: americas_sales@tscprinters.com

BRAZIL

TSC Brazil Representative Office
Tel: +55 (11) 99597 8098
E-mail: americas_sales@tscprinters.com

EMEA

TSC Auto ID Technology EMEA GmbH
Tel: +49 (0) 8106 37979 00
E-mail: emea_sales@tscprinters.com

RUSSIA

TSC Auto ID Technology EMEA GmbH
Tel: +7 495 249 9017
E-mail: emea_sales@tscprinters.com

MIDDLE EAST

TSC Auto ID Technology ME Ltd, FZE
Tel: +971 4 2533 069
E-mail: emea_sales@tscprinters.com

ASIA PACIFIC

TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

INDIA

TSC India Representative Office
Tel: +91 9987 131 874
E-mail: apac_sales@tscprinters.com

KOREA

TSC Korea Representative Office
Tel: +82 2 852 3322
E-mail: apac_sales@tscprinters.com

CHINA

Tianjin TSC Auto ID Technology Co., Ltd.
Tel: +86 22 5981 6661
E-mail: apac_sales@tscprinters.com

