



**T-4210** *203 DPI 10 IPS*

**T-4307** *300 DPI 7 IPS*

**T-4604** *600 DPI 4 IPS*

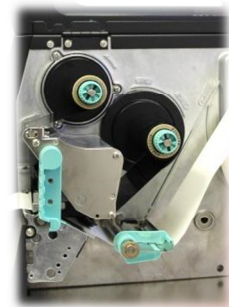
The Tharo T-Series is an affordable high-output industrial barcode label printer from the creators of **EASYLABEL®**



Large color touch screen LCD for easy configuration



Multiple interface ports standard including 2 Host USB ports



High speed printing at up to 10 IPS

Simply the best value for your most demanding applications

**THARO SYSTEMS, INC.**

2866 NATIONWIDE PARKWAY P.O. Box 798 BRUNSWICK, OHIO 44212-0798 USA  
800-878-6833 · 330-273-4408 · FAX: 330-225-0099 · SALES@THARO.COM  
WWW.THARO.COM

MODEL		T-4210	T-4307	T-4604
Print Method		Thermal Transfer / Direct Thermal		
Resolution		203 DPI (8 dots/mm)	300 DPI (12 dots/mm)	600 DPI (24 dots/mm)
Print Speed		Up to 10 IPS (254mm/s)	Up to 7 IPS (177mm/s)	Up to 4 IPS (102mm/s)
Print Width		4.25" (108mm)	4.16" (105.7mm)	4.16" (105.6mm)
Print Length		Min. 0.16"(4mm)**-Max. 180"(4572mm)	Min. 0.16"(4mm)**-Max. 85"(2159mm)	Min. 0.16"(4mm)**-Max. 26"(660mm)
Processor		32-bit RISC CPU		
Memory	Flash	128MB Flash (60MB for user storage)		
	SDRAM	32MB		
Sensor Type		Adjustable reflective sensor and transmissive sensor, left aligned		
Media	Types	Continuous form, gap labels, black mark sensing and punched hole. Label length set by auto-sensing or programming.		
	Width	Tear: Min. 1" (25.4mm) - Max. 4.64" (118mm)		
		Cutter: Max. 4.61"(117mm)		
	Dispenser / Rewind: Max. 4.64" (118mm)			
	Thickness	Min. 0.003" (0.06mm)-Max. 0.01" (0.25mm)		
Label Roll	Max. 8" (203.2mm) outer diameter			
Core	Min. 1.5" (38.1mm) diameter			
Ribbon	Types	Wax, Wax/Resin, Resin		
	Length	Max. 1476' (450m)		
	Width	Min. 1.18" (30mm) - Max. 4.33" (110mm)		
	Core	1" (25.4mm) inner diameter		
Printer Language		Tharo Programming Language (TPL), Zebra Emulation*, Eltron Emulation*		
Software	Design	FREE EASYLABEL® Start		
	Driver	XP/Vista/Windows 7-10, Mac, Linux		
Resident Fonts	Bitmap	6, 8, 10, 12, 14, 18, 24, 30, 16x26 and OCR A&B		
	True Type	Internal True Type Font (Bold, Italic, Underline) 0°, 90°, 180°, 270° rotatable		
Downloadable Fonts	Bitmap	Bitmap fonts and single characters 90°, 180°, 270° rotatable		
	Asian Fonts	16x16, 24x24, Traditional Chinese (BIG-5), Simplified Chinese(GB2312), Japanese (S-JIS), Korean (KS-X1001), 90°, 180°, 270° rotatable, 8 times expandable		
	True Type	90°, 180°, 270° rotatable		
Bar Codes	1-D	Code 39, Code 93, EAN 8/13 (add on 2 & 5), UPC A/E (add on 2 & 5), I 2 of 5 & I 2 of 5 with Shipping Bearer Bars, Codabar, Code 128 (subset A, B, C), EAN 128, RPS 128, UCC 128, UCC/EAN-128 K-Mart, Random Weight, Post NET, ITF 14, China Postal Code, HIBC, MSI, Plessey, Telepen, FIM, GS1 DataBar, German Post Code, Planet 11 & 13 digit, Japanese Postnet, I 2 of 5 with human readable check digit, Standard 2 of 5, Industrial 2 of 5, Logmars, Code 11, Code 49, Codablock		
	2-D	PDF417, Micro PDF417, Datamatrix, Maxicode, QR code, Micro QR code and Aztec code		
Code Pages		Codepages 437, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737, Windows 1250, 1251, 1252, 1253, 1254, 1255, 1257, Unicode UTF8, UT16BE, UTF16LE		
Interfaces	USB 2.0 (B-Type)			
	Serial Port RS-232 (DB-9)			
	IEEE 802.3 10/100 Base Tx Ethernet Port (RJ-45)			
	3 USB Host (A Type) - 2 Ports at the front panel; 1 Port at rear panel			
Control Panel	Backlight 3.2" touch screen LCD			
	1 Power on/off button with green LED backlight			
	1 Control key : FEED/PAUSE/CANCEL with dual color LED : READY/ERROR			
	1 Calibration button at rear panel			
Real Time Clock		Standard		
Power		Auto-switching 100V-240V AC, 50Hz - 60Hz		
Environment	Operating	41°F to 104°F (5°C to 40°C)		
	Storage	-4°F to 140°F (-20°C to 60°C)		
Humidity	Operating	20-85% non-condensing		
	Storage	10-90% non condensing		
Agency Approvals		CE (EMC), FCC Class A, CB, UL, cUL, CCC, KC		
Dimensions		L 18.30" (465mm) x H 10.35" (263mm) x W 12.00" (305mm)		
Weight		30 lbs. (13.6 Kg), excluding consumables and options		
Options	Cutter			
	Parallel port adapter (Centronics female 36-pin)			
	Bluetooth			
	WiFi print server module (IEEE 802.11 b/g/n)			
	Tharo PA2000 Label Applicator / Applicator Interface (DSUB female 15-pin)			
	External label rewinder			
		Label dispenser + Internal rewinder		
*Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered to their respective owners.				
**Minimum Print Length and Maximum Print Speed may vary for non-standard media types. Tharo provides free testing of all media types prior to purchase.				

# Tharo T-Series Industrial Printer

