



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 Processor		Min. 0.16"(4mm)**-Max. 180"(4572mm)	Min. 0.16"(4mm)**-Max. 85"(2159mm)	Min. 0.16"(4mm)**-Max. 26"(660mm)
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	CG Triumvirate™ (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

