

TH Series 2-Inch Specifications

Model	TH220T	TH320T
Resolution	8 dots / mm (203 DPI)	12 dots / mm (300 DPI)
Printing Method	Thermal Transfer & Direct Thermal	
Max. Print Speed	203mm(8") / second	152mm(6") / second
Max. Print Width	54mm(2.13")	56.9mm(2.24")
Max. Print Length	25,400mm(1,000")	11,430mm(450")
Enclosure	Clamshell with double-walled plastic	
Physical Dimension	146mm(W) x 179mm(H) x 231mm(D) 5.75"(W) x 7.05"(H) x 9.09"(D)	
Weight	1.8kg(3.97lbs)	
Label Roll Capacity	127mm(5") OD	
Ribbon	90m long, max. OD 37mm, 0.5" core (ink coated outside)	
Ribbon Width	56mm - 58mm (2.20" - 2.28")	
Processor	32-bit RISC CPU	
Memory	128 MB Flash memory 128 MB SDRAM - microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only	
Interface	- USB 2.0 - RS-232 - USB Host - Internal Ethernet, 10/100 Mbps 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option) - Bluetooth 5.0 (dealer option) - MFi Bluetooth 5.0 (factory option)	
Power	- External universal switching power supply - Input: AC 100-240V, 1.5A, 50-60Hz - Output: DC 24V, 2.5A, 60W	
Operation Switch, Button, LED/LCD	1 power switch 1 feed button 1 pause button	1 reprint button 3.5" colour touch display, 480 x 320 pixel
Sensors	- Transmissive gap sensor - Black mark reflective sensor (position adjustable)	- Ribbon end sensor - Head open sensor
Real Time Clock	Standard	
Internal Font	8 alpha-numeric bitmap fonts - Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font - ARIALUNI.TTF Unicode true type font	
Barcode	1D barcode Code 39, Code 93, Code128UCC, Code128 subsets A,B,C, Codabar, Interleaved 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, ITF14, EAN14, Code 11, TELEPEN, TELEPEN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS 2D barcode TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)	
Font & 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, notch (outside wound)	
Media Width	15mm - 60mm (0.59" - 2.36") (10mm with adapter)	
Media Thickness	0.06mm - 0.19mm (2.36mil - 7.48mil)	
Media Core Diameter	25.4mm - 38.1mm (1" - 1.5")	
Label Length	5mm - 25,400mm (0.20" - 1,000")	5mm - 11,430mm (0.20" - 450")
Environment Condition	- Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing - Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing	
Safety Regulation	CB, FCC Class B, IC, cTUVus, NOM, CE Class B, UKCA, EAC, CCC, RCM, BSMI, Energy Star 3.0	
Environmental Concern	Comply with RoHS, REACH, WEEE, China RoHS	
Accessories	- Quick start guide - USB cable - Power cord	- External universal switching power supply 0.5" ribbon paper core
Limited Warranty	- Printer: 2 years - Printhead: 25km (1 million inches) or 12 months which comes first - Platen: 50km (2 million inches) or 12 months which comes first	
Factory Option	MFi Bluetooth 5.0	
Dealer Option	- Peel-off module - Guillotine cutter (full cut and partial cut) - Care label cutter (full cut) 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module - Bluetooth 5.0 module	
User Option	- External label roll mount - KP-200 Plus keyboard display unit 10mm narrow media adaptor	

