

# TH Series 2-Inch for Healthcare Specifications

Model	TH220THC	TH320THC
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	<ul style="list-style-type: none"> <li>Clamshell with double-walled plastic</li> <li>Disinfectant-ready plastic, designed with an easy-to-clean surface and a sealed button interface</li> <li>Antibacterial enclosure</li> </ul>	
Physical Dimension	146mm(W)x 179mm(H)x 231mm(D) 5.75"(W)x 7.05"(H)x 9.09"(D)	
Weight	1.8kg(3.97 lbs)	
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	<ul style="list-style-type: none"> <li>128 MB Flash memory</li> <li>128 MB SDRAM</li> <li>microSD card reader for Flash memory expansion, max. 512 GB, FAT32 and exFAT only</li> </ul>	
Interface	<ul style="list-style-type: none"> <li>USB 2.0</li> <li>RS-232</li> <li>USB Host</li> <li>Internal Ethernet, 10/100 Mbps</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)</li> <li>Bluetooth 5.0 (dealer option)</li> <li>MFi Bluetooth 5.0 (factory option)</li> </ul>	
Power	External universal switching power supply <ul style="list-style-type: none"> <li>IEC 60601-1 certified power supply</li> <li>Input: AC 100-240V, 2.0A, 50-60Hz</li> <li>Output: DC 24V, 2.5A, 60W</li> </ul>	
Operation Switch, Button, LED/LCD	<ul style="list-style-type: none"> <li>1 power switch</li> <li>1 feed button</li> <li>1 pause button</li> <li>1 reprint button</li> <li>3.5" colour touch display, 480 x 320 pixel</li> </ul>	
Sensors	<ul style="list-style-type: none"> <li>Transmissive gap sensor</li> <li>Black mark reflective sensor (position adjustable)</li> <li>Ribbon end sensor</li> <li>Head open sensor</li> </ul>	
Real Time Clock	Standard	
Internal Font	<ul style="list-style-type: none"> <li>8 alpha-numeric bitmap fonts</li> <li>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> <li>ARIALUNI.TTF Unicode true type font</li> </ul>	
Barcode	<ul style="list-style-type: none"> <li>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, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS</li> <li>2D barcode TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode)</li> </ul>	
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	<ul style="list-style-type: none"> <li>Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing</li> <li>Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing</li> </ul>	
Safety Regulation	CB, FCC Class B, IC, cTÜVus, CE Class B, UKCA, EAC, CCC, BIS, RCM, Energy Star 3.0	
Environmental Concern	Comply with RoHS, REACH, WEEE, China RoHS	
Accessories	<ul style="list-style-type: none"> <li>Quick start guide</li> <li>USB cable</li> <li>Power cord</li> <li>External universal switching power supply</li> <li>0.5" ribbon paper core</li> </ul>	
Limited Warranty	<ul style="list-style-type: none"> <li>Printer: 2 years</li> <li>Printhead: 25km (1 million inches) or 12 months which comes first</li> <li>Platen: 50km (2 million inches) or 12 months which comes first</li> </ul>	
Factory Option	<ul style="list-style-type: none"> <li>MFi Bluetooth 5.0</li> </ul>	
Dealer Option	<ul style="list-style-type: none"> <li>Peel-off module</li> <li>Guillotine cutter (full cut and partial cut)</li> <li>802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module</li> <li>Bluetooth 5.0 module</li> </ul>	
User Option	<ul style="list-style-type: none"> <li>External label roll mount</li> <li>KP-200 Plus keyboard display unit</li> <li>10mm narrow media adaptor</li> </ul>	



**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: +1 52 (33) 3673 1406  
 E-mail: americas\_sales@tscprinters.com

**BRAZIL**  
 TSC Brazil Representative Office  
 Tel: +55 (11) 3554 7225  
 E-mail: americas\_sales@tscprinters.com

**EMEA**  
 TSC Auto ID Technology EMEA GmbH  
 Tel: +49 (0) 8106 37979 000  
 E-mail: emea\_sales@tscprinters.com

**RUSSIA**  
 TSC Auto ID Technology EMEA GmbH  
 Tel: +7 495 646 3538  
 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 2249 679 315  
 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

**KOREA**  
 TSC Korea Representative Office  
 Tel: +82 2 852 3322  
 E-mail: apac\_sales@tscprinters.com

TSC® is a trademark of TSC Auto ID Technology Co., Ltd.  
 TSC Auto ID Technology Co., Ltd. is an ISO 9001/14001 registered company.  
 © 2023 TSC Auto ID Technology Co., Ltd.  
 Product models and Specifications are subject to change without notice.  
 Contact your TSC sales representative for specific information.  
 20231128

