

TH DH Series

Desktop Barcode Printer

The Handy Way to Conquer Label Printing Challenges

The 2-inch and 4-inch TH DH Series Desktop Barcode Printers are versatile and flexible for diverse printing requirements. This series' versatility enables printing a wide range of difficult labels, including thick, tiny, and long labels and certain types of vertical market labels.

Our printer language emulation makes the TH DH Series plug-and-play. Its firmware automatically identifies major printer languages and begins printing immediately without changing label templates. The TH DH Series minimises downtime during daily operations through comprehensive printer management tools, printer shutdown prevention, and supports network security configurations to manage printers efficiently.

The TH DH Series scales up applications with a wide media width, high-precision printing, and several addable future-proof options for diverse barcode labels, receipts, wristbands, and UHF and HF RFID applications. This empowers businesses to adapt to changing requirements for present and future operations. The printer minimises its environmental impact with 100% recyclable packaging and case, and over 90% of its components are recyclable at end of life.

Key Features

Seamless Integration, Effortless Deployment

- Out-of-the-box auto-switch print language emulation
- User-friendly and convenient label printing with TSC Standalone Creator and TSCPRTGo

Minimising Downtime, Maximising Uptime

- Real-time remote printer monitoring and management with the Internal Embedded Webpage, virtual control panel, TSC Console, and SOTI Connect
- Downtime prevention with self-diagnostic TPH Care, TPH (thermal printhead) maintenance, and ribbon low warning
- User-friendly design: self-diagnostics, toolless TPH and platen roller replacement for easy maintenance
- Streamlined label setup with Save Labels feature in 6.5" OD printers, eliminating manual label alignment and feeding, while reducing waste
- Supports network security configurations: HTTPS, SNMPv3, 802.1X, and TCP/IP Port 9100 filter

Versatile, Future-Proof Printing

- 15mm to 120mm wide media width for diverse media types, optional narrow media adaptors support the narrow label width to 10mm
- High-precision print quality with innovative label stabilising media damper and adjustments in vertical dpi, heater line, and TPH pressure
- Future-proof upgrades: Wi-Fi, Bluetooth, cutter and peeler modules, care label cutter, linerless tear-off and linerless cutter kits, HF RFID upgrade kits and UHF RFID upgrade kits
- UHF & HF RFID functionality: Encode During Print boosts efficiency, diverse label support, and auto calibration for easy setup

Environmentally Sustainable Printer

- 100% recyclable packaging with FSC-compliant cartons
- 100% recyclable plastic printer casing made with 30% recycled plastic
- 90%+ of printer components are recyclable

Healthcare Tailored Design

- Crisp white and bright full-colour scheme, perfectly suited for healthcare environments
- Antimicrobial, easy-to-disinfect casing for effortless cleaning, vastly reducing the risk of contamination
- Optional ribbon-cartridge design for hassle- and mess-free installation
- IEC 60601-1 Medical-Grade Compliant Power Supply, ensuring safe and reliable use in healthcare facilities

Applications

Retail

- Shelf Labelling
- Inventory Management
- Weight Scale

Transportation and Logistics

- Shipping Label
- Receiving Label

Healthcare

- Specimen Labelling
- Pharmacy Labelling
- Patient Tracking

Apparel

- Clothing Hang Tag
- Care Labelling

Food & Beverage

- Product Labelling
- Track and Trace



TH Series 4-Inch Specifications

Model	TH240	TH340	TH240T	TH340T
Resolution	8 dots / mm(203 dpi)	12 dots / mm(300 dpi)	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	203mm(8") / second	152mm(6") / second
Max. Print Width	108mm(4.25")	105.7mm(4.16")	108mm(4.25")	105.7mm(4.16")
Max. Print Length	25,400mm(1,000")	11,430mm(450")	25,400mm(1,000")	11,430mm(450")
Enclosure	Clamshell with double-walled plastic			
Physical Dimension	223mm(W) x 186mm(H) x 286mm(D) 8.78"(W) x 7.32"(H) x 11.26"(D)			
Weight	2.8kg(6.17lbs)			
Label Roll Capacity	127mm(5") OD			
Ribbon	300m long, max. OD 67mm, 1" core (ink coated outside) 110m long, max. OD 40mm, 0.5" core (ink coated outside)			
Ribbon Width	40mm - 110mm (1.6" - 4.3")			
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, 2.0A, 50-60Hz Output: DC 24V, 3.75A, 90W			
Operation Switch, Button, LED/LCD	1 power switch 1 feed button 1 pause button 1 reprint button 1 status indicator 4 intuitive icon indicators 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, TELEPENN, 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), rMQR Code			
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 - 120mm (0.59" - 4.72")			
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")	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	- Printer: CB, FCC Class B, IC, cTUVus, NoM, CE Class B, UKCA, EAC, CCC, BIS, RCM, BSMI, KC, Energy Star 3.2 - Wi-Fi/Bluetooth: FCC, IC, CE, UKCA, FAC, SRRC, WPC, RCM, NCC, KC, IMDA, NBTC - MFi Bluetooth: FCC, IC, CE, UKCA, FAC, SRRC, RCM, NCC, KC, IMDA, NBTC - RFID: FCC, IC, CE, UKCA, SRRC, WPC, RCM, NCC, KC, IMDA, NBTC, ANATEL			
Environmental Concern	Comply with RoHS, REACH, WEEE, China RoHS			
Accessories	- Quick start guide - USB cable - Power cord - External universal switching power supply 1" ribbon spindle x 2 for 300m ribbon roll 1" ribbon paper core - Media adaptor for 120mm wide media			
Limited Warranty	- Printer: 3 years - Printhead: 25km (1 million inches) or 12 months which comes first - Platen: 50km (2 million inches) or 12 months which comes first			
UHF RFID	N/A - RAIN UHF Passive (GS1 EPC Gen2 v2 / ISO 18000-63) - Minimum label/tag pitch 15.9mm (0.625") - Standard/ Selected On-Metal Tags/ Additional Tag Constructions - Selected On-Metal Tag thickness up to 1.35mm (0.053"), tear mode only - Encoding failures: Minimum 1-inch overstrike area - Printer language: TSPL, ZPL - RFID Label Counter: Tracks good/bad labels - MFi Bluetooth 5.0 - RAIN UHF Passive (internal multi-position RF antenna, under media) - Bluetooth 5.0 module - UHF RFID tear-off upgrade kit (external fixed RF antenna, above media) - UHF RFID cutter upgrade kit (external multi-position RF antenna, under media) 10mm narrow media adaptor - PDF Print Dongle			
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			
User Option	- External label roll mount - KP-200 Plus keyboard display unit			



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

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

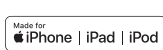
ASIA PACIFIC
 TSC Auto ID Technology Co., Ltd.
 Tel: +886 2 2218 6789
 E-mail: apac_sales@tscprinters.com

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

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