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 (Internal Embedded Webpage, virtual control panel, TSC Console, and SOTI Connect), 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. This empowers businesses to adapt to changing requirements for present and future operations. The eco-friendly printer features 100% recyclable packaging and plastic printer casing. Over 90% of printer components are recyclable at the printer's end-of-life, reducing environmental impact.

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, and shortcut buttons for enhanced efficiency
- Supports network security configurations: HTTPS, SNMPv3, 802.1X, and TCP/IP Port 9100 filter

Versatile, Future-Proof Print Quality

- 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
- Supports UTF-8 TTF (TrueType Font) for different language label content printing
- Addable future-proof upgrades: Wi-Fi, Bluetooth, cutter module, peeler module, care label cutter kit, linerless tear-off kit, and linerless cutter kit

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-color scheme, perfectly suited for healthcare environments
- Antimicrobial, easy-to-disinfect casing for effortless cleaning, vastly reducing the risk of contamination
- IEC 60601-1 Medical-Grade Compliant Power Supply, ensuring safe and reliable use in healthcare facilities

Applications

Retail

- Shelf Labeling
- Inventory Management
- Weight Scale

Transportation and Logistics

- Shipping Label
- Receiving Label

Healthcare

- Specimen Labeling
- Pharmacy Labeling
- Patient Tracking

Apparel

- Clothing Hang Tag
- Care Labeling

Food & Beverage

- Product Labeling
- Track and Trace



DH Series 2-Inch Specifications

Model	DH220	DH320	DH220T	DH320T
Resolution	8 dots / mm (203 DPI)	12 dots / mm (300 DPI)	8 dots / mm (203 DPI)	12 dots / mm (300 DPI)
Printing Method	Direct Thermal			
Max. Print Speed	203mm (8") / second	152mm (6") / second	203mm (8") / second	152mm (6") / second
Max. Print Width	54mm (2.13")	56.9mm (2.24")	54mm (2.13")	56.9mm (2.24")
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	138mm (W) x 172mm (H) x 210mm (D) 5.43" (W) x 6.77" (H) x 8.27" (D)			
Weight	1.6kg (3.53 lbs)			
Label Roll Capacity	127mm (5") OD			
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 • 1 status indicator • 3 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) • 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)			
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), linerless media (for linerless option)			
Media Width	15 - 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")	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 , cTÜVus, 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	
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) • 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module		• Bluetooth 5.0 module • Linerless with cutter (full cut) • Linerless with tear	
User Option	• External label roll mount • KP-200 Plus keyboard display unit • 10mm narrow media adaptor			



TSC

EZS® Labeling & Packaging Solutions
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It's always a good ID

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