



MH641T Metal Industrial Bar Code Printer with touch LCD, 600 dpi, 6 ips

The MH241 Series is TSC's mainstream industrial barcode label printer built upon the legacy of the MH240 Series. It brings new features to those looking for solutions to address evolving business challenges from growing production line demands to increasing operational complexities.

**Meet the New MH Series Industrial Thermal Printers
with Remote Printer Management Capabilities**



The advancements included improved wireless communications, enhance compatibility with SOTI Connect remote printer management software, and real-time monitoring of printheads to detect failures before they can cause trouble for our users.

The MH Series was one of the main printer families to receive these high-performance upgrades as well as several new models to its lineup.

The new MH Series consists of five models available in a variety of configurations of 4-inch and 6-inch wide label printers. Our MH 4-inch Series industrial printer models include the MH241T with 203 dpi resolution, the MH341T with 300 dpi resolution, and the MH641T with 600 dpi resolution. Our MH 6-inch Series consists of the MH261T with 203 dpi resolution and the MH361T with 300 dpi. The various models are available with a 4.3-inch LCD color touch display, a 600-meter roll capacity, and the 4-inch versions also have the option of full roll internal rewind capabilities.

These new mid-range industrial printers are built for durability and performance with tough metal construction and excellent print quality at speeds up to 14-inches per second. They can also support both thermal transfer and direct thermal print technologies to meet the needs of your printing application.

Capable of seamless connectivity, the new printers are supported by both Apple-certified MFi Bluetooth 5.0 and 802.11a/b/g/n/ac Wi-Fi with a Bluetooth 4.2 combo module that can easily integrate the barcode label printer into a connected network. They also come equipped with a General Purpose Input/Output (GPIO) port for programming various printer interface applications.

Printhead management has also been vastly improved across the new printer models to feature active dot check. The printers can check dots on the printhead in real-time, catching and reporting any bad dots and preventing printhead failure in advance. User-friendly advancements have also been made to the printhead mechanisms on these printers for an easy, tool-free printhead and platen roller replacement.

The MH Series printers are equipped with sophisticated TSC Sense Care supported by SOTI Connect and TSC Console remote printer management to monitor printer status and give warning messages to ensure maximum productivity and avoid downtime.

Key features:

- Sophisticated TSC Sense Care
- Dynamic Remote Printer Management
- Highly Adaptable
- Brilliant User Experience
- ENERGY STAR®
- Models MH241P-MH341P-MH641P incl. internal rewinder

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Technical Description

Functionality & Operation

Print resolution	600dpi
Print speed	152mm/sec
Maximal print length	2540mm
Display type	4.3" color display, 480 x 272 pixel & 1 LED (with 2 LEDs Green & Red)
Communication interface	Ethernet, RS232, USB
1D Barcode Symbologies	All standard one-dimension barcodes
2D Code Symbologies	Data Matrix, QR code, PDF417, Aztec, MaxiCode
Print mode	direct thermal, thermal-transfer
Maximal print width	104mm
Memory	512MB Flash, 256 MB SDRAM, microSD 32 GB
CPU Type	32-bit RISC
Operation interface	7x button, color touch LCD panel
Expansion slot	Micro SD Card (SDHC)
Commands set	TSPL-EZD
Touch-screen panel	resistive 5-wire
Fonts & barcode rotation	0°, 90°, 180°, 270°

Optical

Sensors	reflective, transmissive, end-of-media detector, ribbon end sensor, open print-head detector
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Electrical

Power Source	Input: AC 100-240V, 4-2A, 50-60Hz, Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W
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Mechanical

Dimensions	Width: 276mm, Height: 326mm Length: 502mm
Weight	15.7kg
Body housing	metal
Color	black

Consumables

Media type	continuous, black-marked media, paper and thermal-paper labels, fan-fold, notch, perforated, tags
Maximal paper width	114mm
Maximal roll diameter	203.2mm
Minimal paper width	20mm
Max. ribbon diameter	90mm
Max. ribbon length	600m
Media thickness	0.06 to 0.28mm
Media core diameter	38.1 to 76.2mm
Minimal label length	5mm

Environment

Operating temperature	0 to 40°C
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Storage temperature	-40 to 60°C
Operating humidity (non-condensing)	25 to 85%
Storage humidity (non-condensing)	10 to 90%
Others	
Certifications	FCC Class A, CE Class A, RCM, UL, cUL, CCC, BIS, KC, BSMI, ENERGY STAR, TÜV/Safety
Warranty	2 years (printer), 25000 m or 12 months (print head), 50000 m or 12 months (printing cylinder), approved material CODEWARE

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