# MH241P Series
# Industrial Barcode Printer
## *A Feature-Rich MH Family Beyond Your Expectations*

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.

The MH241 Series is 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.

Capable of seamless connectivity, the MH241 Series is supported by both Apple-certified MFi Bluetooth 5.0 or 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module that turns the barcode label printer into a connected network.

## Key Features

### Sophisticated TSC Sense Care
- Self-diagnostic TPH Care mechanism
- Near real-time information and updates for preventative actions
- Selectable media sensor settings

### Dynamic Remote Printer Management
- Supports SOTI Connect through either Ethernet or Wi-Fi
- Powerful TSC Console for printer management

### Multi-Connectivity
- GPIO: Supports common applicators and emulations
- Wi-Fi: Supports 802.11 a/b/g/n/ac and Bluetooth 4.2 combo module

### Highly Adaptable
- Precise peel-off capability with 0.5" minimum label length (MH241 Series).
- Supports media width up to 6.8" (MH261 Series)
- Full mechanism for fine adjustment

### Brilliant User Experience
- Media near end sensor detection
- Easy printhead and platen roller replacement

## Applications

### Manufacturing
- Industrial Printing
- Shipping/Receiving Labeling
- Warning/Caution Signage

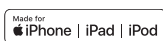### Transportation and Logistics
- Pallet Labeling
- Distribution

### Healthcare
- Pharmaceutical Labeling
- Asset Tracking



**EZS IDENTTECHNIK**
Etiketten Thermotransferfolien Hard- und Software

**TSC PRINTRONIX AUTO ID**

*It's always a good ID*

# MH241P Series

| | PREMIUM | | |
|---|---|---|---|
| Model | MH241P | MH341P | MH641P |
| Resolution | 8 dots/mm (203 DPI) | 12 dots/mm (300 DPI) | 24 dots/mm (600 DPI) |
| Printing method | Thermal Transfer and Direct Thermal | | |
| Max. print speed | 356 mm (14")/second | 305 mm (12")/second | 152 mm (6")/second |
| Max. print width | 104 mm (4.09") | | |
| Max. print length | 25,400 mm (1000") | 11,430 mm (450") | 2540 mm (100") |
| Enclosure | Die-cast print mechanism and base with bi-fold metal cover with large clear media view window | | |
| Physical dimension | 276 mm (W) x 412 mm (H) x 502 mm (D) 10.87" (W) x 16.22" (H) x 19.76" (D) | | |
| Weight | 18.93kg (41.73 lbs) | | |
| Label roll capacity | 203.2 mm (8") O.D. | | |
| Internal rewinder (full roll) | Standard (8" O.D.) | | |
| Ribbon | 600 m long, max. O.D. 90 mm, 1" core (ink coated outside or inside) | | |
| Ribbon width | 25.4 mm ~ 114.3 mm (1" ~ 4.5") | | |
| Processor | 32-bit RISC CPU | | |
| Memory | • 512MB Flash memory<br>• 256MB SDRAM<br>• microSD Flash memory card reader for Flash memory expansion, up to 32 GB | | |
| Interface | • RS-232<br>• USB 2.0 (High speed mode)<br>• Internal Ethernet, 10/100 Mbps<br>• USB host *2 (Front side), for scanner or PC keyboard<br>• GPIO (DB15F) + Centronics (factory option)<br>• Internal Bluetooth 5.0 MFi (factory option)<br>• Slot-in 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module (dealer option) | | |
| Power | Internal switching power supply<br>• Input: AC 100-240V, 4-2A, 50-60Hz<br>• Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W | | |
| LCD display/ Operation buttons | • Multi-language selectable<br>• 6 operation buttons<br>• 1 LED (with 2 LEDs Green & Red) | | |
| LCD | 4.3" color display, 480 x 272 pixel; Resistive touch screen | | |
| Sensors | • Gap transmissive sensor (position adjustable)<br>• Black mark reflective sensor (Bottom or Top black mark sensor switchable and position adjustable)<br>• Head open sensor<br>• Ribbon encoder sensor<br>• Ribbon end sensor<br>• Media near end sensor | | |
| Real time clock | Standard | | |
| Internal font | • 8 alpha-numeric bitmap fonts<br>• Monotype Image® true type font engine with CG Triumvirate Bold Condensed scalable font | | |
| Barcode | 1D barcode<br>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, RSS-Stacked, GS1 DataBar, Code 11, China Post<br><br>2D barcode<br>PDF-417, Maxicode, DataMatrix, QR code, Aztec | | |
| 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 (Bottom side or top side black mark), fan-fold, notch, perforated, tag, care label (outside wound) | | |
| Media width | 20 ~ 114 mm (0.79" ~ 4.5") | | |
| Media thickness | 0.06 ~ 0.28 mm (2.36 ~ 11 mil) | | |
| Media core diameter | 3.81 mm / 76.2 mm (1.5"/ 3") | | |
| Label length | 5 ~ 2,540 mm (0.20" ~ 100") | | |
| Environment condition | • Operation: 0 ~ 40°C (32 ~ 104°F), 25~ 85% non-condensing<br>• Storage: -40 ~ 60 °C (-40 ~ 140°F), 10~ 90% non-condensing | | |
| Safety regulation | FCC Class A, CE Class A, RCM Class A, UL, cUL, TÜV, CCC, KC, BIS, BSMI, EAC, Argentina S mark, Mexico CoC, ENERGY STAR® | | |
| Environmental concern | Comply with RoHS, WEEE | | |
| Accessories | • Windows labeling software CD disk<br>• Quick start guide<br>• USB port cable<br>• Power cord | | |
| RTC & Buzzer | Standard | | |
| Limited warranty | • Printer: 2 years<br>• Print head: 25 km (1 million inches) or 12 months which comes first<br>• Platen: 50 km (2 million inches) or 12 months which comes first | | |
| Factory option | • GPIO (DB15F) + Parallel interface<br>• Internal Bluetooth 5.0 MFi* | | |
| Dealer option | • 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module (including slot-in housing) * | | |
| User option | • KP-200 Plus keyboard display unit | | |

* Availability may vary by region.

**TSC**
The Smarter Choice.

**EZS**
Etiketten Thermotransferfolien Hard- und Software
**IDENTTECHNIK**
It's always a good ID

ENERGY STAR | Bluetooth® | Made for iPhone | iPad | iPod | WiFi CERTIFIED | TSC Printronix Auto ID Training Academy | Service and Maintenance | **EZS** IDENTTECHNIK It's always a good ID