

# TSC

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CELEBRATING 20 YEARS



## MX240 SERIES – Industrial Thermal Transfer Bar Code Printer

# STRONG PERFORMANCE FOR MISSION CRITICAL ENTERPRISE APPLICATIONS



### KEY FEATURES

- Heavy duty die-cast aluminum design
- Fast 536 Mhz processor
- Faster print speed - up to 14 ips
- 4.3" color LCD with 6-button menus and touch panel operation
- Available in 203 dpi, 300 dpi and 600 dpi resolutions
- 128 MB Flash and 256 MB SDRAM memory
- 600 meter ribbon capacity
- TSPL-EZ™ firmware for plug-n-play ease
- USB host interface for stand-alone application

### APPLICATIONS

- High Volume Printing
- Work In Process
- Compliance Labeling
- Inventory Management
- Shipping/Receiving
- Asset Management
- Electronics & Jewelry Labeling

# MX240 SERIES – Industrial Thermal Transfer Bar Code Printer

| PRINTER MODEL             | MX240   | MX340                       | MX640                      |
|---------------------------|---|-----------------------------|----------------------------|
| Resolution                | 8 dots/mm (203 DPI)   | 12 dots/mm (300 DPI)        | 24 dots/mm (600 DPI)       |
| Printing method           | Thermal Transfer & 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 (1,000")  | 11,430 mm (450")            | 2,540 mm (100")            |
| Enclosure                 | Die-cast based print mechanism and frame/Aluminum cover with large clear media view window  |                             |                            |
| Physical dimension        | 300 mm (W) x 393 mm (H) x 510 mm (D)<br>11.81" (W) x 15.47" (H) x 20.08" (D)  |                             |                            |
| Weight                    | 18 kg (39.68 lbs)   |                             |                            |
| Label roll capacity       | 203.2 mm (8") OD  |                             |                            |
| Ribbon                    | 600 meter long, max. OD 90 mm, 1" core (ink coated outside/inside)  |                             |                            |
| Ribbon width              | 40 ~ 115 mm   |                             |                            |
| Processor                 | 32-bit RISC CPU   |                             |                            |
| Memory                    | <ul style="list-style-type: none"> <li>• 128 MB Flash memory</li> <li>• 256 MB SDRAM</li> <li>• SD Flash memory card reader for Flash memory expansion, up to 32 GB</li> </ul>  |                             |                            |
| Interface                 | <ul style="list-style-type: none"> <li>• RS-232</li> <li>• Centronics</li> <li>• USB 2.0</li> <li>• Internal Ethernet, 10/100 Mbps</li> <li>• USB host * 2 (front side) * 2 (rear side, factory option), for scanner or PC keyboard</li> <li>• GPIO (dealer option)</li> <li>• Bluetooth (user option)</li> <li>• External 802.11 b/g/n wireless (user option)</li> </ul> |                             |                            |
| Power                     | Internal universal switching power supply<br>• Input: AC 100-240V, 3.0A, 50-60Hz<br>• Output: DC 24V, 8.33A, 200W   |                             |                            |
| LCD                       | 16 bits Color, 480 x 272 pixel, with back light, Resistive Touch Screen   |                             |                            |
| Operation switch, button  | 1 power switch, 6 operation buttons (Menu, Pause, Feed, Up, Down, Select)   |                             |                            |
| Sensors                   | <ul style="list-style-type: none"> <li>• Gap transmissive sensor (position adjustable)</li> <li>• Black mark reflective sensor (position adjustable)</li> <li>• Head open sensor</li> <li>• Ribbon end sensor</li> <li>• Ribbon encode sensor</li> </ul>  |                             |                            |
| Real time clock           | Standard  |                             |                            |
| Internal fonts            | <ul style="list-style-type: none"> <li>• 8 alpha-numeric bitmap fonts</li> <li>• Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font</li> </ul>  |                             |                            |
| Bar code                  | <ul style="list-style-type: none"> <li>• 1D bar code<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</li> <li>• 2D bar code<br/>PDF-417, Maxicode, DataMatrix, QR code, Aztec</li> </ul>  |                             |                            |
| Font and barcode rotation | 0, 90, 180, 270 degree  |                             |                            |
| Printer language          | TSPL-EZ™ (Compatible to EPL, ZPL, ZPL II)   |                             |                            |
| Media type                | Continuous, die-cut, black mark, fan-fold, notched (outside wound)  |                             |                            |
| Media width               | 20 ~ 114 mm (0.78" ~ 4.49")   |                             |                            |
| Media thickness           | 0.076 ~ 0.305 mm (2.99 ~ 12.01 mil)   |                             |                            |
| Media core diameter       | 76.2 mm (3")  |                             |                            |
| Label length              | 3 ~ 25,400 mm (0.1" ~ 1,000")   | 3 ~ 11,430 mm (0.1" ~ 450") | 3 ~ 2,540 mm (0.1" ~ 100") |
| Environment condition     | Operation: 5 ~ 40°C, 25 ~ 85% non-condensing<br>Storage: -40 ~ 60°C, 10 ~ 90% non-condensing  |                             |                            |
| Safety regulation         | FCC Class B, CE Class B, C-Tick Class B, UL, cUL, TÜV/safety, CCC   |                             |                            |
| Environmental concern     | Comply with RoHS, WEEE  |                             |                            |
| Accessories               | <ul style="list-style-type: none"> <li>• Windows labeling software CD disk</li> <li>• Quick start guide</li> <li>• USB cable</li> <li>• Power cord</li> </ul>   |                             |                            |
| Limited warranty          | <ul style="list-style-type: none"> <li>• Printer: 2 years</li> <li>• Print head: 25 km (1 million inches) or 12 months which comes first</li> <li>• Platen: 50 km (2 million inches) or 12 months which comes first</li> </ul>  |                             |                            |
| Factory options           | <ul style="list-style-type: none"> <li>• Internal rewinding kit (include internal rewind &amp; label redirect front panel)</li> <li>• USB host (rear side), for scanner or PC keyboard</li> </ul>   |                             |                            |
| Dealer options            | <ul style="list-style-type: none"> <li>• Peel-off kit (include internal rewind &amp; peel off module)</li> <li>• Regular cutter (full cut guillotine cutter)</li> <li>• Heavy duty cutter (full cut rotary cutter)</li> <li>• GPIO interface</li> </ul>   |                             |                            |
| User options              | <ul style="list-style-type: none"> <li>• Bluetooth module (serial interface)</li> <li>• 802.11 b/g/n wireless module (serial interface)</li> <li>• KP-200 Plus keyboard display unit</li> <li>• KU-007 Plus programmable smart keyboard</li> </ul>  |                             |                            |



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