

# TSC

The Smarter Choice.



## MX240P SERIES – Industrial Thermal Transfer Bar Code Printer

# STRONG HIGH SPEED PERFORMANCE FOR HIGH VOLUME ENTERPRISE APPLICATIONS



### KEY FEATURES

- “Thermal Smart Control”™ print technology produces clean, high quality barcodes
- Heavy duty die-cast aluminum design
- Fast 536 MHz processor
- Fast print speed - up to 18 inches per second
- 4.3” color LCD includes new UI design with 6-button menus and touch panel operation
- Precise media positioning & preprinted label identification
- Available in 203 dpi, 300 dpi and 600 dpi resolutions
- 512 MB Flash and 512 MB SDRAM memory
- 600 meter ribbon capacity
- TSPL-EZ™ firmware for plug-n-play ease
- USB host interface for stand-alone application
- Auto TPH resolution switch detection
- Ribbon and media capacity monitor widget
- ENERGY STAR® qualified

### APPLICATIONS

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

# MX240P SERIES – Industrial Thermal Transfer Bar Code Printer

PRINTER MODEL	MX240P	MX340P	MX640P
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	457 mm (18")/second	356 mm (14")/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) 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>• 512 MB Flash memory</li> <li>• 512 MB SDRAM</li> <li>• microSD 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>• USB 2.0</li> <li>• Internal Ethernet, 10/100 Mbps</li> <li>• USB host* 2 (front side), for scanner or PC keyboard</li> <li>• GPIO + Centronics (dealer option)</li> <li>• Internal Bluetooth 4.0 (dealer option)</li> <li>• Slot-in 802.11 a/b/g/n wireless (user option)</li> </ul>		
Power	Internal universal switching power supply <ul style="list-style-type: none"> <li>• Input: AC 100-240V, 4-2A, 50-60Hz</li> <li>• Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W</li> </ul>		
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> <li>• Media capacity 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> <li>• 1D bar code 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 PDF-417, Maxicode, DataMatrix, QR code, Aztec</li> </ul>		
Bar code			
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 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, CB, BIS, EAC, ENERGY STAR®		
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 (full roll)</li> </ul>		
Dealer options	<ul style="list-style-type: none"> <li>• GPIO + Parallel interface</li> <li>• Internal Bluetooth 4.0</li> <li>• Peel-off kit</li> <li>• Regular cutter (full cut guillotine cutter)</li> <li>• Heavy duty guillotine cutter</li> </ul>		
User options	<ul style="list-style-type: none"> <li>• 802.11 a/b/g/n wireless module (slot-in)</li> <li>• KP-200 Plus series keyboard</li> <li>• KU-007 Plus programmable smart keyboard</li> </ul>		



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