

## MX640P Metal Industrial Bar Code Printer, 600 dpi, 6 ips

TSC MX240P / MX340P / MX640P series of industrial barcode printers features excellent performance and high durability. The printer is designed for demanding users who would not accept any compromise. Barcode printer TSC MX-series can instantly replace any most competitive products thanks the native emulation of command languages Zebra, Eltron, Datamax and Sato. The TSC MX printer achieves higher performance and easier operation for a lower cost. TSC MX240P / MX340P / MX640P can be equipped with a cutter, dispensor, internal rewinder and RFID encoder (HF or UHF).

Just at the first sight of the printer you will certainly be attracted by large color touch panel on the front, which makes the operation much more variable and more convenient than using the buttons. However, the MX240P can also be operated in a standard way - under the touch screen there are 6 buttons (Menu, Pause, Feed, Up, Down, and Select).



Despite its size, the MX240P industrial bar code printer is relatively light - both internal mechanism and external housing are aluminum die castings. Precisely designed print mechanism enables fast print at almost half meter per second, even of the very small labels (3 mm) with a 600 m long ribbon, no matter of if the ink is IN or OUT, 24 hours x 7 days without interruption. Time savings acquired from high printing speed are even magnified by the ingeniously designed print mechanism, which enables replacement of media as quickly as possible and without such problems like wrinkled ribbon or necessity of adjusting the labels to the correct line.

All the TSC bar code printers of series MX240P are equipped with RS232, USB and Ethernet interfaces and in addition they have a slot for SDHC memory card. Additionally, your printer may be also equipped with wireless interface Bluetooth or WLAN.

TSC printers have the Thermal Smart Control technology, a patented electronic print head temperature control. Print output is sharper because of that technology and, what's even more important, printhead life is several times longer.

Thanks to the automatic recognition and the instant emulation of any of the mostly used barcode printers command sets (ZPL2 - Zebra, EPL2 - Eltron, DPL - Datamax and SBPL - Sato) is the TSC MX240P printer easy to integrate into almost any of the user systems.

### Key features of the TSC barcode printer MX240P / MX340P / MX640P

- high print speed at 18 ips / 14 ips / 6 ips;
- powerful 32-bit processor, 536 MHz multitasking;
- 600 m ink ribbon with ink IN or OUT;
- color touchscreen control panel;

- ruggedness and settings stability thanks the print mechanism and housing made from aluminum die cast;
- automatic emulation of ZPL2, EPL2, DPL and SBPL on the fly, without need for manual switching;
- large memory of 512 MB Flash + 512 MB SDRAM + slot for SDHC memory card;
- RS232, USB and Ethernet interfaces as standard;
- optional wireless interface Bluetooth or WLAN;
- Smart Thermal Control technology significantly extends printhead life and ensures sharper print output
- optional module for encoding of and concurrent printing on RFID labels, either HF (13.56 MHz) or UHF (860 MHz - 930 MHz).

[See the product video on Youtube](#)



# Technical Description

|                           |                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Functionality & Operation |                                                                                                                                                                             |
| Print speed               | 152mm/sec (6 ips)                                                                                                                                                           |
| Communication interface   | Ethernet, RS232, USB Client, USB Host                                                                                                                                       |
| Print resolution          | 600dpi                                                                                                                                                                      |
| Maximal print length      | 2540mm                                                                                                                                                                      |
| Display type              | 4,3" LCD color                                                                                                                                                              |
| Expansion slot            | SD Card (SDHC)                                                                                                                                                              |
| Indicators                | 3xLED                                                                                                                                                                       |
| Maximal print width       | 104mm                                                                                                                                                                       |
| Memory                    | 512MB DRAM                                                                                                                                                                  |
| Memory                    | 512MB Flash                                                                                                                                                                 |
| Operation interface       | color touch LCD panel, 7x button                                                                                                                                            |
| Print mode                | direct thermal, thermal-transfer                                                                                                                                            |
| Touch-screen panel        | Yes                                                                                                                                                                         |
| 1D Barcode Symbologies    | All standard one-dimension barcodes                                                                                                                                         |
| 2D Code Symbologies       | all standard 2D-Codes                                                                                                                                                       |
| Commands set              | TSPL-EZDS                                                                                                                                                                   |
| Optical                   |                                                                                                                                                                             |
| Resolution                | 480x272 px                                                                                                                                                                  |
| Sensors                   | open print-head detector, reflective, ribbon end sensor, transmissive, TT ribbon detector                                                                                   |
| Mechanical                |                                                                                                                                                                             |
| Weight                    | 18kg                                                                                                                                                                        |
| Dimensions                | Width: 510mm, Height: 300mm Length: 393mm                                                                                                                                   |
| Body housing              | aluminium                                                                                                                                                                   |
| Color                     | silver                                                                                                                                                                      |
| Consumables               |                                                                                                                                                                             |
| Ribbon core diameter      | 25.4mm                                                                                                                                                                      |
| Ribbon width              | 40 to 115mm                                                                                                                                                                 |
| Max. ribbon length        | 600m                                                                                                                                                                        |
| Maximal paper width       | 104mm                                                                                                                                                                       |
| Ink of TT ribon           | ink-side IN, ink-side OUT                                                                                                                                                   |
| Maximal roll diameter     | 203mm                                                                                                                                                                       |
| Media type                | black-marked media, continuous, datapol, fan-fold, notch, paper and thermal-paper labels, perforated, polyethylen, Roll-feed, tags, textile ribbon, thermal labels, tickets |
| Minimal label length      | 3mm                                                                                                                                                                         |
| Minimal paper width       | 20mm                                                                                                                                                                        |
| Media core diameter       | 76.2 to 76.2mm                                                                                                                                                              |
| Media thickness           | 0.076 to 0.305mm                                                                                                                                                            |
| Environment               |                                                                                                                                                                             |

|                                     |                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Storage humidity (non-condensing)   | 10 to 90%                                                                                                                  |
| Storage temperature                 | -40 to 60°C                                                                                                                |
| Operating temperature               | 5 to 40°C                                                                                                                  |
| Operating humidity (non-condensing) | 25 to 85%                                                                                                                  |
| <b>Others</b>                       |                                                                                                                            |
| Warranty                            | 2 years (printer), 25000 m or 12 months (print head), 50000 m or 12 months (printing cylinder), approved material CODEWARE |
| Certifications                      | C-Tick Class B, CCC, CE Class B, cUL, FCC (Class B), TÜV/Safety, UL                                                        |

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