



# TX210 Series
# Desktop Barcode Printer

*An Advanced Printer You Can Rely On*

The TX210 series is comprised of high-performance desktop label printers designed to handle a wide variety of applications ranging from high-volume shipping label production to safety signage and fine-jewelry label printing.

The TX210 series features a user friendly design, media and ribbons are easy to install. The printers use a large 300 meter ribbon supply on a one inch core that saves both time and money. The TX210 Series can print at super-fast print speeds up to 8-inches per second with an easy-to-read multi-icon LED display (standard) and available in a color LCD display.

Supports more applications in its class including standalone, high-resolution 600 dpi product marking and graphics, and specialized electronics label marking applications. The TX210 series with built-in Ethernet or optional 802.11 a/b/g/n/ac Wi-Fi paired with SOTI Connect and TSC Console remote printer management increases your level of productivity and efficiency.

## Key Features

### Dynamic Remote Printer Management

- Supports SOTI Connect through either Ethernet or Wi-Fi
- Powerful TSC Console for printer management

### Rugged Design

- Rugged design with solid double wall housing structure, ADF hinge and industrial-grade hybrid motor ensures stable media path for outstanding print quality and accuracy

### Multi-Connectivity

- Wi-Fi enterprise certified 802.11 a/b/g/n/ac with Bluetooth 4.2 combo module
- MFi certified Bluetooth 5.0

### Easy-to-Use UI

- LED icon panel with large status icons
- View angle adjustable 3.5" color LCD display
- Automatic centering label holder for 5" OD media roll with 1" or 1.5" core
- Enhanced ribbon stop mechanism prevents ribbon rewind issues when top cover is opened

### Advanced TPH Mechanism

- Heat line adjustment mechanism supports various media types
- Self-Diagnostic TPH Care scans and detects printhead bad dots in real-time

## Applications

### Manufacturing

- Product Marking
- Compliance Labeling
- Inventory Control

### Transportation and Logistics

- Shipping Label
- Receiving Label

### Healthcare

- Specimen Labeling
- Pharmacy Labeling
- Patient Tracking

TSC PRINTRONIX AUTO ID

# TX210 Series | Data Sheet

| Model | TX210 | TX310 | TX610 |
|---|---|---|---|
| **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** | 203 mm (8")/second | 152 mm (6")/second | 102 mm (4")/second |
| **Max. print width** | 108 mm (4.25") | 106 mm (4.17") | 106 mm (4.17") |
| **Max. print length** | 25,400 mm (1000") | 11,430 mm (450") | 2540 mm (100") |
| **Enclosure** | Clamshell with double-walled plastic | | |
| **Physical dimension** | 226 mm (W) x 198 mm (H) x 332 mm (D)<br>8.90" (W) x 7.80" (H) x 13.07" (D) | | 226 mm (W) x 200 mm (H) x 332 mm (D)<br>8.90" (W) x 7.87" (H) x 13.07" (D) |
| **Weight** | 3.75 kg (8.27 lbs) | | 4.08 kg ( 8.99 lbs) |
| **Label roll capacity** | 127 mm (5") OD | | |
| **Ribbon** | 300 m long, max. OD 67 mm, 1" core (ink coated outside) | | |
| **Ribbon width** | 40 mm ~ 110 mm (1.6" ~ 4.3") | | |
| **Processor** | 32-bit RISC CPU | | |
| **Memory** | • 128 MB Flash memory<br>• 128 MB SDRAM<br>• microSD card reader for Flash memory expansion, up to 32 GB | | |
| **Interface** | • USB 2.0<br>• RS-232<br>• USB Host<br>• Internal Ethernet, 10/100 Mbps | • Centronics (factory option)<br>• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module (dealer option)<br>• MFi Bluetooth 5.0 (factory option) | |
| **Power** | External universal switching power supply<br>• Input: AC 100-240V, 2.5A, 50-60Hz<br>• Output: DC 24V, 3.75A, 90W | | External universal switching power supply<br>• Input: AC 100-240V, 2.5A, 50-60Hz<br>• Output: DC 24V, 5.41A, 130W |
| **Operation switch, button, LED/LCD** | • 1 power switch<br>• 1 feed/pause button<br>• LED panel with 8 big icons | | • 1 power switch<br>• 6 operation buttons<br>• 3.5" color TFT display, 320 x 240 pixel |
| **Sensors** | • Transmissive gap sensor<br>• Black mark reflective sensor (position adjustable)<br>• Ribbon encode sensor<br>• Head open sensor | | • Transmissive gap sensor<br>• Black mark reflective sensor (position adjustable)<br>• Ribbon end sensor<br>• Ribbon encode sensor<br>• Head open sensor |
| **Real time clock** | Dealer option | | Standard |
| **Internal font** | • 8 alpha-numeric bitmap fonts<br>• Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font | | |
| **Bar code** | • 1D bar code<br>Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br><br>• 2D bar code<br>TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode) | | |
| **Font and 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, fan-fold, notch (outside wound) | | |
| **Media width** | 19 ~ 112 mm (0.75" ~ 4.4") | | |
| **Media thickness** | 0.055 ~ 0.254 mm (2.17 ~ 10 mil) | | |
| **Media core diameter** | 25.4 ~ 38.1 mm (1" ~ 1.5") | | |
| **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, RCM, UL, cUL, TÜV/Safety, CCC, BIS, EAC, ENERGY STAR® | | |
| **Environmental concern** | Comply with RoHS, WEEE | | |
| **Accessories** | • Quick start guide<br>• USB cable<br>• Power cord<br>• External universal switching power supply<br>• Windows labeling software CD disk | | |
| **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 options** | • Centronics parallel interface<br>• 3.5" color TFT display (includes real time clock)<br>• Ribbon end sensor<br>• MFi Bluetooth 5.0 | | • Centronics parallel interface<br>• MFi Bluetooth 5.0 |
| **Dealer options** | • Real time clock<br>• Peel-off module<br>• Guillotine cutter (full cut)<br>• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module | | |
| **User options** | • External label roll mount<br>• KP-200 Plus keyboard display unit | | |

Product models and specifications are subject to change without notice.




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