

ML241P Series

Industrial Label Printer

Simplicity Redefined: A Compact, Effortless Industrial Printer

The compact ML241P Series, perfect for height-restricted applications like rack-mounting, supports up to 8-inch O.D. label rolls for high-volume printing and increased uptime. Its intuitive design simplifies the user experience, allowing for easy adjustment of the thermal printhead (TPH) pressure and ribbon tension balance, ensuring optimal printing quality. Toolless TPH and platen roller removal expedite maintenance, while TSC Sense Care prevents operational downtime with self-diagnostic features.

The printer capabilities are designed with auto-switching emulation for hassle-free deployment. Plus, TSC Standalone Creator generates a printer LCD UI for quick template access, while TSCPRTGo turns a mobile device into an extended display for mobile printing. SOTI Connect, TSC Console, and the Internal Embedded Webpage enable remote fleet management.

Additionally, this eco-friendly printer boasts 100% recyclable packaging and printer casing, with over 90% recyclable components, minimizing its environmental impact.

Key Features

Small Footprint with a Large Capacity

- A compact industrial label printer with a small footprint and height advantage is ideal for applications in height-constrained workspaces like rackmounts.
- Generous media capacity accommodates up to 8-inch O.D. label rolls, facilitating high-volume printing projects.

Effortless Operations with User-Friendly Design

- Its simple TPH pressure position and ribbon tension balance adjustments ensure optimal printing quality.
- The wide-open 50 mm media handling space expedites label and ribbon change operations.
- Toolless TPH and platen roller removal streamline maintenance, saving valuable work time.

TSC Sense Care Smart Monitoring

- TSC Sense Care prevents downtime by monitoring printhead health with self-diagnostic TPH Care, printhead mileage, and cutter counts.
- Collected data can integrate with SOTI Connect and TSC Console for remote management and reporting.

Software Capabilities Harmonize Operations

- Auto-switch printer language emulation simplifies printer fleet migration and upgrades without changing print commands and label templates.
- TSC Standalone Creator generates a printer LCD UI for quick template access and TSCPRTGo turns a mobile device into an extended display for mobile printing.
- SOTI Connect and TSC Console manage printer fleets, enabling swift deployment, configuration, and updates remotely.
- The Internal Embedded Webpage enables IT to remotely configure, troubleshoot, and oversee any specific printer in the field.

Commitment to Sustainability

- 100% recyclable packaging reduces environmental waste.
- 100% recyclable printer casing with over 90% recyclable printer components.

Applications

Transportation & Logistics

- Packing
- Order Fulfillment
- Shipping/Receiving
- Inventory Management

Manufacturing

- Work in Process
- Product Marking
- Compliance Labeling

Healthcare

- Specimen Labeling
- Asset or Inventory Label

Retail

- Product Label
- Event Ticketing



ML241P Series Specifications

Model	ML241P	ML341P
Resolution	8 dots/mm (203 dpi)	12 dots/mm (300 dpi)
Printing Method	Thermal Transfer & Direct Thermal	Thermal Transfer & Direct Thermal
Max. Print Speed	204mm (8")/second	152mm (6")/second
Max. Print Width	108mm (4.25")	105.7mm (4.16")
Max. Print Length	25,400mm (1000")	11,430mm (450")
Enclosure	Die-cast based print mechanism/Metal cover with large clear media window	
Physical Dimension	248mm (W) x 245mm (H) x 416mm (D) 9.76" (W) x 9.65" (H) x 16.38" (D)	
Weight	7.7kg (16.98lbs)	
Label Roll Capacity	203.2mm (8") O.D., 1" or 3" I.D. core	
Ribbon	450m with 1" ribbon core I.D., ink coated outside or inside	
Ribbon Width	40 - 110mm (1.6" - 4.3")	
Processor	32-bit RISC CPU	
Memory	<ul style="list-style-type: none"> 128 MB Flash memory 128 MB SDRAM 	
Interface	<ul style="list-style-type: none"> RS-232 USB 2.0 Internal Ethernet, 10/100 Mbps USB host, for scanner or PC keyboard Internal Bluetooth (dealer option) Internal Bluetooth 5.0 MFi (factory option) Slot-in Wi-Fi 802.11 a/b/g/n/ac with Bluetooth 5.0 combo module (dealer option)* 	
Power	<ul style="list-style-type: none"> Internal universal switching power supply Input: AC 100-240V, 1.5A, 50-60Hz Output: DC 24V, 2.5A, 60W 	
LED/LCD	<ul style="list-style-type: none"> 2.3" color LCD 1 LED (with 2 LEDs: green, red) 	
Operation Switch, Button	<ul style="list-style-type: none"> 1 power switch 6 buttons (Menu, Pause/Feed, Up, Down, Left, Right) 	
Sensors	<ul style="list-style-type: none"> Gap transmissive sensor (position adjustable) Black mark reflective sensor (position adjustable) Ribbon end sensor Head open sensor 	
Real Time Clock	Standard	
Internal Fonts	<ul style="list-style-type: none"> 8 alpha-numeric bitmap fonts Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font 	
Barcode	<ul style="list-style-type: none"> 1D barcode Code 39, Code 93, Code 128 UCC, Code 128 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 2D barcode PDF-417, Micro PDF 417, Maxicode, DataMatrix, QR code, Aztec, TLC 39, RSS 	
Font & Barcode Rotation	0, 90, 180, 270 degree	
Printer Language	TSPL-EZD (EPL, ZPL, ZPL II, DPL)	
Media Type	Continuous, die-cut, black mark, fan-fold, notched (outside wound)	
Media Width	20mm - 118mm (0.8" - 4.7")	
Media Thickness	0.06mm - 0.19mm (2.36mil - 7.48mil)	
Media Core Diameter	25.4mm - 38.1mm (1" - 1.5")	
Label Length	5mm - 25,400mm (0.2" - 1000")	5mm - 11,430mm (0.2" - 450")
Environment Condition	<ul style="list-style-type: none"> Operation: 0°C to 40°C (32°F to 104°F), 25% - 85% non-condensing Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing 	
Safety Regulation	CB, FCC Class A, CE Class A, UKCA, RCM Class A, cTUVus, TÜV, IC Class A, NOM, VCCI, CCC, BIS, KC, BSMI, EAC, ENERGY STAR®	
Environmental Concern	Comply with RoHS, WEEE	
Accessories	<ul style="list-style-type: none"> Quick start guide USB cable Power cord 	
Limited Warranty	<ul style="list-style-type: none"> Printer: 2 years Print head: 25km (1 million inches) or 12 months which comes first Platen: 50km (2 million inches) or 12 months which comes first 	
Factory Option	Internal Bluetooth 5.0 MFi	
Dealer Option	<ul style="list-style-type: none"> Peel-off kit (passive) Regular guillotine cutter (full cut) Slot-in Wi-Fi 802.11 a/b/g/n/ac with Bluetooth 5.0 combo upgrade kit Internal Bluetooth 5.0 module* 	
User Option	<ul style="list-style-type: none"> Slot-in Wi-Fi 802.11 a/b/g/n/ac with Bluetooth 5.0 combo module (for device with slot-in housing) KP-200 Plus keyboard display unit Universal cutter tray 	

* Choose between a Wi-Fi with Bluetooth combo or an internal Bluetooth interface option.



CORPORATE HEADQUARTERS
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

LI ZE PLANT
TSC Auto ID Technology Co., Ltd.
Tel: +886 3 990 6677
E-mail: apac_sales@tscprinters.com

AMERICAS
TSC Auto ID Technology America Inc.
Tel: +1 657 258 0808
E-mail: americas_sales@tscprinters.com

MEXICO
TSC Mexico Representative Office
Tel: +1 52 (33) 3673 1406
E-mail: americas_sales@tscprinters.com

BRAZIL
TSC Brazil Representative Office
Tel: +55 (11) 3554 7225
E-mail: americas_sales@tscprinters.com

EMEA
TSC Auto ID Technology EMEA GmbH
Tel: +49 (0) 8106 37979 000
E-mail: emea_sales@tscprinters.com

RUSSIA
TSC Auto ID Technology EMEA GmbH
Tel: +7 495 646 3538
E-mail: emea_sales@tscprinters.com

MIDDLE EAST
TSC Auto ID Technology ME Ltd, FZE
Tel: +971 4 2533 069
E-mail: emea_sales@tscprinters.com

ASIA PACIFIC
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

INDIA
TSC India Representative Office
Tel: +91 2249 679 315
E-mail: apac_sales@tscprinters.com

CHINA
Tianjin TSC Auto ID Technology Co., Ltd.
Tel: +86 22 5981 6661
E-mail: apac_sales@tscprinters.com

KOREA
TSC Korea Representative Office
Tel: +82 2 852 3322
E-mail: apac_sales@tscprinters.com

TSC® is a trademark of TSC Auto ID Technology Co., Ltd.
TSC Auto ID Technology Co., Ltd. is an ISO 9001/14001 registered company.
© 2024 TSC Auto ID Technology Co., Ltd.
Product models and Specifications are subject to change without notice.
Contact your TSC sales representative for specific information.
20240425

