



STTTAP028

Apix 241T



Industrial label printer
Compact, robust and versatile for high
volume prints

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Apix 241T Printer

The Apix 241T is equipped with a bellows door that reduces the required operating space by 24%. Its all-metal printing mechanism ensures durability and reliability even under intensive use conditions. The printer handles special media, including thick and rigid tags, and is available with a wide range of optional accessories to meet different application needs. These include linerless, peel-off, and RFID upgrade kits, an internal rewinder, and a cutter, designed to maximize functionality and adapt to dynamic business environments.

The Apix 241T's features are designed to simplify implementation: automatic print language emulation enables rapid integration. TSC Standalone Creator generates a printer LCD interface for instant access to models, while TSCPRTGo transforms a mobile device into an extended display for mobile printing. SOTI Connect, TSC Console and the integrated internal web page allow remote management of the printer fleet.

The Apix 241T eco-friendly printer features 100% recyclable packaging and packaging, with over 90% of the components recyclable, thus reducing environmental impact.

Areas of application

Production

Work in progress
Product marking
Compliance labelling
Industrial printing
Transport and logistics

Packaging

Order fulfillment
Shipping/Reception
Inventory management

Retail

Packaging for food and
beverages
Labelling of products
Balances

Health sector

Labelling of samples
Labelling of assets or
inventory



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Main features

Efficient use of space

The bellows door reduces the space required by 24%, making it easier to replace supports and tapes and simplifying cleaning, even in confined spaces.

High quality printing guaranteed

All-metal printing mechanism on sturdy frame, for stability and long life.

Adjusting the pressure and thermal line of the print head (TPH) to multiple points, for consistent and uniform quality.

Application versatility

Optional accessories: cutter, internal retractor and peel-off, linerless and RFID upgrade kit.

Flexible connectivity: Bluetooth 5.0 MFi, Wi-Fi/Bluetooth and Bluetooth 5.0.

RFID Features: Encoding during printing, compatible with various tags (including tags for metal surfaces up to 1.65mm), with automatic calibration for easy installation.

Intelligent monitoring

Prevents downtime through printhead health monitoring (TPH Care), printhead consumption, and cutter counting.

The data can be integrated with software for remote management and reporting.

Integrated software for simplified operations

Automatic emulation of print languages to facilitate migration and updating without changing commands or templates.

Commitment to sustainability

100% recyclable packaging and wrapping, with over 90% recyclable components.

Optional linerless kit for greener label printing.



	Apix 241T	
	8 dots	12 dots
Resolution	8 dot/mm (203 DPI)	12 dot/mm (300 DPI)
Printing Method	Thermal transfer & Direct thermal	
Max print speed	304,8 mm (12") / second	228,6 mm (9") / second
Max print width	107 mm (4,21")	105,7 mm (4,16")
Max print length	25.400 mm (1000")	11.430 mm (450")
Structure	Die casting printing mechanism/Metal lid with large transparent media window	
Physical dimensions	248 mm (L) x 274 mm (A) x 436 mm (P) 9,76" (L) x 10,79" (A) x 17,17" (P)	
Weight	9,1 kg (20,06 lbs)	
Roll capacity labels	203.2 mm (8"), internal diameter between 1" and 3"	
Tape	450 m with internal tape diameter of 1", ink coated on the outside or inside	
Tape length	40 mm ~ 110 mm (1,6" ~ 4,3")	
Processor	32-bit RISC CPU	
Memory	<ul style="list-style-type: none"> • 256 MB flash memory • 256 MB SDRAM 	
Interface	<ul style="list-style-type: none"> • USB 2.0 • Internal Ethernet, 10/100 Mbps • USB host, for PC scanner or keyboard • GPIO (dealer option) • Internal Bluetooth (dealer option) • Internal Bluetooth 5.0 MFi (factory option) • Wi-Fi module 802.11 a/b/g/n/ac with Bluetooth 5.0 combo (dealer option) 	
Power	<ul style="list-style-type: none"> • Universal internal switching power supply • Input: AC 100 - 240V, 2.0A, 50 - 60Hz • Output: DC 24V, 3.75A, 90W 	
LED/LCD	<ul style="list-style-type: none"> • 3.5-inch color touch LCD • 1 LED (with 2 LEDs: green, red) 	
Buttons, operating keys	<ul style="list-style-type: none"> • 1 power switch • 6 buttons (Menu, Pause/Advance, Up, Down, Left, Right) 	
Sensors	<ul style="list-style-type: none"> • Transmissive gap sensor (adjustable position) • Reflection black sign sensor (adjustable position) • Tape encoder sensor • End of tape sensor • Head opening sensor 	
Real-time Clock	Standard	
Internal characters	8 bitmap alphanumeric characters <ul style="list-style-type: none"> • Monotype Imaging® Truetype font engine with a scalable CG Triumvirate font 	
Barcode	Barcode 1D Code 39, Code 93, Code128UCC, Code128 subset ABC, 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 <ul style="list-style-type: none"> • 2D barcode PDF-417, Micro PDF 417, Maxicode, DataMatrix, QR code, Aztec, TLC 39, RSS 	
Font and Barcode Rotation	0, 90, 180, 270 degrees	
Printer language	TSPL-EZD (EPL, ZPL, ZPL II, DPL)	
Media Type	Continuous, die-cut, black mark, fan-fold, notched (outer winding)	

Apix 241T		
	8 dots	12 dots
Support width	20 mm - 120 mm (0,8" - 4,7")	
Support thickness	0,06mm - 0,28mm (2,36mil - 11mil)	
Core diameter support	25,4 mm - 76,2 mm (1" - 3")	
Label length	5 mm - 25.400 mm (0,2" - 1000")	5 mm - 11.430 mm (0,2" - 450")
Environmental 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, cTUVnoi, TÜV, IC Class A, NOM, VCCI, CCC, BIS, KC, BSMI, EAC, ENERGY STAR®	
Environmental protection	Compliant with RoHS, WEEE	
Accessories	<ul style="list-style-type: none"> • Quick Guide • USB cable • Power cable 	
RFID	<ul style="list-style-type: none"> • Passive UHF RAIN (GS1 EPC Gen2 v2 / ISO 18000-63) • External fixed antenna, above the support • Minimum label/tag pitch 15.9 mm (0.625") • Standard tags/for metal surfaces/tags with different structures Maximum tag thickness for metal surfaces equal to 1.65 mm (0.06") • Encoding errors: Complete label overwrite*** • Printer language: TSPL, ZPL • RFID Label Counter: Monitors usable and non-usable labels 	
Options	<ul style="list-style-type: none"> • Peel-off Kit • Regular guillotine cutter (full cut) • 5" Outer Diameter Internal Rewinder Kit • Tear-off RFID upgrade kit • RFID upgrade kit with cutter • Linerless cutter kit • Wi-Fi 802.11 a/b/g/n/ Combo Upgrade Kit ac with Bluetooth 5.0 • Internal Bluetooth 5.0 module** • GPIO • Linerless tear-off kit • Wi-Fi 802.11 a/b/g/n/ac combo module with Bluetooth 5.0 (for devices with slot housing) • KP-200 Plus Keyboard Display Unit • Universal cutting tray 	

