

T800 Desktop Thermal/RFID Printer

Productivity • Versatility • Dependability

Industrial Printer Features in a Desktop Printer

The T800 thermal desktop printer series offers enterprise-level productivity, dependable performance, and a selection of versatile high-end features such as RFID, Wi-Fi, and advanced security protocols.

The T800 incorporates Printronix Auto ID's renowned Printronix System Architecture (PSA) and includes remote printer management tools and automated alerts to keep your enterprise operating at optimum efficiency and productivity.

Product Benefits

- High performance ARM Cortex-A7
- 128MB RAM / 128MB Flash Memory
- Four-inch print width
- Available in 203dpi or 300dpi
- Reinforced plastic enclosure
- Supports all major thermal printer languages
- Transfer and direct printing
- Color 3.5in LCD nine-key control panel
- Standard Ethernet, USB, and serial interfaces
- Optional Wi-Fi 802.11a/b/g/n/ac and MFI Bluetooth 5.0
- On-Pitch RFID, multi-position antenna
- 4-32 GB SD memory card capability
- Optional Premium Asian fonts

Enterprise Level Productivity

- Fast print speed up to 8 ips
- High performance ARM A7 processor for fast time-to firstprint and label throughput
- Large 300 meter ribbon for fewer roll changes
- Can easily print over 2,500 labels per day
- Intuitive printer setup, print quality, and self-help wizards
- Enterprise level connectivity and security protocols
- Energy Star compliance

Industrial Performance

- Optional RFID capability with adjustable antenna and auto calibration
- Extensive connectivity choices:
  Standard: Ethernet, USB host, USB device, RS232
  Optional: WiFi 802.11a/b/g/n/ac, MFi Bluetooth 5.0
- Compatible with PrintNet Enterprise remote management tool
- Seamless integration with the most extensive library of printer emulations in the industry

Dependable Design

- Solid double-wall clamshell construction
- Wide operating temperature range of 5°C to 40°C
- High MTBF of 8,000 hours
- Large full color LCD screen with easy to use menu navigation keys
- Built on the Printronix System Architecture (PSA) platform for proven dependability

TSC PRINTRONIX AUTO ID

Key Features





Tracking in Real Time with RFID

The T800 with optional UHF RFID was designed to meet the growing demand for encoding and printing RFID labels at an affordable price. Retail, manufacturing and healthcare are just a few of the industries that use RFID to track products throughout the supply chain, take inventory in real-time or locate assets within the enterprise.

The T800 makes printer setup for encoding and printing of RFID labels fast and easy. Not only can it support labels down to .625 inches in length, but the antenna can be adjusted for non-standard inlay positions. Further, the RFID label calibration function automatically sets the optimal label encoding position within the printer.

Enterprise Level Productivity

T800 is the first Printronix Auto ID desktop thermal printer built on the Printronix System Architecture (PSA). PSA is an intelligent design platform that combines advanced features with a common set of building blocks to simplify all elements of printer ownership.

- Tools to simplify installation, operation, and troubleshooting.
- Fast and reliable for maximum productivity.
- Multiple connectivity options and advanced security protocols.
- Simple operation and a unified user control panel across all models

The T800 is the ideal printing solution for lower volume enterprise printing and RFID applications.

Ease of Installation

- Drop-in installation with minimal setup & multiple emulations
- Easy to configure control panel or with interactive webpage
- Full suite of connectivity options & security protocols

Ease of Maintenance

- Remotely troubleshoot & monitor printer status
- Push firmware & re-configure printers in batches
- Easy printer swap with quick change memory card (QCMC)
- Operation commonality between all Printronix Auto ID Printers

Reliable Label Production

- Easy to use large color LCD display with intuitive icon-driven menu
- Fast print speed and time-to-firstprint
- More uptime with easy load media and large ribbon rolls
- Dependable production up to 2,500 labels per day

T800 | Data Sheet

Model	T800
Resolution	203dpi or 300dpi
Printing method	Direct Thermal and Transfer Thermal
Max. print speed	8ips @ 203dpi, 6ips @ 300dpi
Max. print width	4.1" (104mm)
Media type	Roll or Fan-Fold Labels, Tags, Paper, Film, Tickets
Media handling	Standard: Continuous, Tear-Off Options: Peel and present (paper labels, up to 6ips) Cutter (thickness as per media spec, life 500,000 cuts) (Does not support on-metal RFID labels/tags)
Media width	Min 0.79" (20mm) / Max 4.4" (112mm)
Media thickness	0.00236" (0.06mm) to 0.00784" (0.19mm)
Media length	Min.: Continuous, Tear-Off 0.25" (6.35mm) Min.: Peel-Off, Cutter 1.0" (25.4mm) Max.: 50" (1,270mm)
Media core diameter	1.0" (25.4mm) / 1.5" (38.1mm)
Media max. roll diameter	5.0" (127mm)
Ribbon type	Wax, Wax/Resin, Resin
Ribbon width	Min 1.0" (25.4mm) / Max 4.33" (110mm)
Ribbon length	984.25 ft (300m)
Ribbon core diameter	0.5" (12.7mm) / 1.0" (25.4mm)
Interface I/O	Standard: Serial RS232, USB, and Ethernet 10/100Base T / Optional: Wi-Fi 802.11a/b/g/n/ac, MFi Bluetooth 5.0
WiFi security encryption	WEP 40/128bit, WPA Personal (PSK),WPA2 Personal (PSK), Enterprise (AES CCMP)
WiFi security authentication	EAP-TLS, EAP-TTLs, PEAPv0/MS-CHAPv2, PEAPv1. EAP-MDS, LEAP
Remote management software	PrintNet Enterprise Suite, SOTI Connect: IoT device management
Memory	128 MB Flash / 128 MB DDR
Line input	Auto Range 100 - 240 VAC (48 - 62 Hz)
Fonts	Font Technologies: Intellifont, TrueType, Unicode Standard Fonts: OCRA, OCRB, Courier, Letter Gothic, CG Times, CG Triumvirate/Bold/Condensed Premium Asian Fonts (Optional SD card): Simplified Chinese, Japanese, Korean, Thai Andale Asian Fonts (Optional SD card): Simplified Chinese, Traditional Chinese, Korean, Japanese PDF/ PostScript Level 3: 35 fonts
Graphic formats	PCX, TIFF, BMP, PNG
Barcode	1D barcode: BC-412, Code 11, Code 39, Code 35, Code 93, Codabar, Code128 Subsets A/B/C, Industrial 2 of 5, Interleave 2 of 5, German I-2/5, EAN-8, EAN-13, UCC/EAN-128, UPC-A, UPC-E, UPCSHIP, UPS 11, MSI, Matrix 2 of 5, PLESSEY, POSTNET, 4-state PostBar, Australian 4-state, FIM, ITF14, TELEPEN, PLANET, USPS Intelligent Mail, LOGMARS 2D barcode: PDF-417, MicroPDF-417, Maxicode, DataMatrix, QR Codes, Aztec, GS1 Databar (RSS-14)
RFID	RAIN UHF Passive (GS1 EPC Gen2 v2 / ISO 18000-63) Multi-position RF Antenna On-Pitch label to 0.625" (depending on inlay) RFID label calibration Printer languages: PGL, ZGL, STGL, MGL Counters: Tracks good/overstruck labels
Operating environment	Operating Temperature: 40° to 104°F (5° to 40°C)(limitations based on selected media) / Operating Humidity: 25-85% Non-Condensing Storage Temperature: -40° to 140° F (-40° to 60° C) / Storage Humidity: 10 - 90% Non-Condensing
Regulatory compliances	Emissions: FCC, CE, IC, CCC, KC Safety: cTUVus, CE, IC, EAC, SMARK, NOM, CCC, KC, BIS, BSMI Environmental: RoHS, WEEE, Energy Star 3.0 RFID: FCC, CE, ANATEL, ICT, KC, MIC, NCC., SRRC, WPC WiFi/BT: FFC, IC, CE, CCC Energy Savings: Energy Star 3.0
Physical dimension (W x H x D)	8.3" (210mm) x 7.5" (190mm) x 11.2" (285mm)
Weight	6.79lbs (2.9kg)
Options & Accessories	Wi-Fi 802.11a/b/g/n/ac MFi Bluetooth 5.0 Cutter Peeler RAIN UHF Passive (GS1 EPC Gen2 v2 / ISO 18000-63) Premium Asian Font Card (SD Card) External 3in Supply Roll Dispenser QCMC (Quick Change Memory Card)