PRINTRONIX®
AUTO ID

T800
T800 RFID

DESKTOP THERMAL/RFID PRINTER

PRODUCTIVITY

VERSATILITY

DEPENDABILITY

RAIN RFID

SOTI CONNECT

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 is Printronix Auto ID's first desktop printer to incorporate its renowned Printronix System Architecture (PSA) and includes remote printer management tools and automated alerts to keep your enterprise operating at optimum efficiency and productivity.

ENTERPRISE LEVEL PRODUCTIVITY

- Fast print speed of 8 ips
- High performance ARM A7 processor for fast time-to-first-print and label throughput
- Large 300 meter ribbon for fewer roll changes
- Can easily print over 1,000 labels per day
- Easy to operate

INDUSTRIAL PERFORMANCE

- Optional RFID capability with adjustable antenna and auto calibration
- Extensive connectivity options: Std: Ethernet, USB host, USB device, RS232
- Optional: WiFi 802.11 a/b/g/n/ac, Bluetooth 4.2
- Compatible with PrintNet Enterprise printer management tool
- Enterprise level encryption and security protocols
- Ten printer emulations for seamless installations

DEPENDABLE PERFORMANCE

- Solid double-wall clamshell construction
- Wide operating temperature range of 5° C to 40° C.
- High MTBF of 8,000 hours
- Built on the proven Printronix System Architecture (PSA) platform

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 equipment 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.

WHAT DOES ENTERPRISE LEVEL PRODUCTIVITY MEAN?

The printer includes the tools to install, configure and troubleshoot multiple printers at once.

Printers are fast and reliable for maximum productivity.

The time required to perform day-to-day tasks has been minimized.

Includes multiple connectivity options and advanced security protocols.

PSA Printronix System Architecture

T800 is the first Printronix Auto ID desktop thermal printer built on the PSA platform. In the past, PSA has been limited to our high-end industrial printers.

PSA is an intelligent design platform that combines advanced features with a common set of building blocks to simplify printer installation, operation, and improve productivity. Partners familiar with one Printronix Auto ID printer can easily work with any of our printers.

ENTERPRISE PRODUCTIVITY

EASE OF INSTALLATION	EASE OF MAINTENANCE	RELIABLE LABEL PRODUCTION
Drop-in installation with minimal setup & multiple emulations	Remotely troubleshoot & monitor printer status	Easy to use large color LCD display with intuitive icon-driven menu
Easy to configure control panel or with interactive webpage	Push firmware & re-configure printers in batches	Fast print speed and time-to-first-print
Full suite of connectivity options & security protocols	Easy printer swap with quick change memory card (QCMC)	More uptime with easy load media and large ribbon rolls
	Operation commonality between all Printronix Auto ID Printers	Dependable production up to 1,000 labels /per day

T800

SPECIFICATIONS

PRODUCT BENEFITS

* High performance ARM Cortex-A7
* Re-enforced plastic enclosure
* Transfer and direct printing
* Four-inch print width
* Printronix Systems Architecture (PSA)
* Ethernet 10/100 BaseT (Standard)
* Premium Asian Fonts (Option)
* On-Pitch RFID, multi-position antenna
* Available in 203 DPI and 300 DPI
* 128 MB RAM / 128 MB Flash Memory
* Color 3.5in LCD nine-key control panel
* 4-32 GB SD memory card capability
* WiFi 802.11 a/b/g/n/ac (Option)
* Bluetooth 4.2 (Option)
* ENERGY STAR Certified

PRINTER SPECIFICATIONS

Max Print Speed	8 IPS @ 203 DPI, 6 IPS @ 300 DPI
Print Method	Transfer and Direct
Resolution	203 DPI / 300 DPI
Max. Print Width	4.1" (104mm)

MEDIA SPECIFICATIONS

Media Type	Roll or Fan-Fold Labels, Tags, Paper, Film, Tickets
Min. Media Width	0.79" (20mm)
Max. Media Width	4.4" (112mm)
Min. Media Length	Continuous 0.25", Tear-Off / Peel-Off 1.0"
Max Label Print Length	Up to 50"
Media Thickness	0.00236" (0.06mm) to 0.00784" (0.19mm)
Media Roll Core Diameter	1.0" (25.4mm), 1.5" (38.1mm)
Max. Media Roll Diameter	5.0" (127mm)
Media Sensing	Gap, Mark

RIBBON SPECIFICATIONS

Ribbon Type	Wax, Wax/Resin, Resin
Min. Ribbon Width	1.0" (25.4mm)
Max. Ribbon Width	4.33" (110mm)
Max. Ribbon Length	300 Meters
Ribbon Core Diameter	0.5" (12.7mm), 1.0" (25.4mm)

PHYSICAL CHARACTERISTICS

Width	8.3" (210mm)
Height	7.5" (190mm)
Depth	11.2" (285mm)
Printer Weight	6.79 lbs (2.9Kg)
Shipping Weight	9.47 lbs (4.3Kg)

PRINTER LANGUAGE

Printer Languages (Native / Competitor)	PGL/VGL/ZGL/TGL/IGL/STGL/DGL/IEGL/MGL/EGL
Legacy Line Printer Emulations	P-Series / XQ, Proprinter, Serial Matrix, Epson FX
Job Control Languages	PJL, XML, and PTX-SETUP

COMMUNICATION AND CONNECTIVITY/INTERFACE

Standard Interface I/O	Serial RS232, USB Device (Type B), USB Host (Type A) and Ethernet 10/100Base T
Optional Interface I/O	WiFi (802.11a/b/g/n/ac), (WiFi Alliance Certified) Bluetooth 4.2
WiFi Security Encryption	WEP 40/128bit, TKIP, AES CCMP
WiFi Securty Authentication	WPA/WPA2, PSK, EAP-TTLS, EAP-PEAP, LEAP, PEAPv1/ PEAP-TLS, PEAPv0/MS-CHAPv2

RFID

Radio	UHF / RAIN (GS1 EPC Gen2 v2 / ISO 18000-63)
Antenna	Multi-position RF Antenna
Inlays	On-Pitch label to 0.625 in (depending on inlay) RFID label calibration
Languages	PGL, ZPL, STGL, MGL
Counters	Tracks good / overstruck labels

MEDIA HANDLING MODES

Standard	Continuous, Tear-Off
Options	Peel-Off, Cut

OPERATING ENVIRONMENT

Operating Temperature	40 to 104°F (5 to 40°C)
Operating Humidity	25-85% Non-Condensing
Storage Temperature	-40 to 140°F (-40 to +60°C)
Storage Humidity	10-90% Non-Condensing

POWER REQUIREMENT

Line Input	Auto Range 100 - 240 VAC (48 - 62 Hz)

REGULATORY COMPLIANCES

Emissions	FCC, CE, IC, CCC, KC
Safety	cTUVus, CE, IC, EAC, SMARK, NOM, CCC, KC, BIS, BSMI
Environmental	RoHS, WEEE, Energy Star
RFID	FCC, IC, CE, CCC, NCC, NTC, WPC
WiFi/BT	FFC, IC, CE, CCC
Energy Savings	Energy Star 2.0

BAR CODE SYMBOLOGIES

1D Barcodes	BC-412, Code 11, Code 39, Code35, Code 93, Codabar, Code 128 Subsets A/B/C, Industrial 2 of 5, Interleave 2 of 5, German 1-2/5, EAN-8, EAN-13, UCC/EAN-128, UPC-A, UPC-E, UPCSHIP, UPS 11, MSI, Matrix 2 of 5, PLESSEY, POSTNET, 4-state PostBar, Ausrailian 4-state, FIM, ITF14, TELEPEN, PLANET, USPS Intelligent Mail, LOGMARS
2D Barcodes	PDF-417, MicroPDF-417, Maxicode, DataMatrix, QR Codes, Aztec, GS1 Databar (RSS-14)

FONT, GRAPHIC SUPPORT

Graphic Formats	PCX, TIFF, BMP, PNG
Font Technologies	Intellifont, TrueType, Unicode
Standard Fonts	OCRA, OCRB, Courier, Letter Gothic, CG Times, CG Triumvirate/Bold/Condensed
Premium Asian Fonts (SD card)	Simplified Chinese, Japanese, Korean, Thai

REMOTE MANAGEMENT SOFTWARE

PrintNet Enterprise	Enterprise Grade Remote Management Solution

OPTIONS AND ACCESSORIES

* WiFi 802.11 a/b/g/n/ac
* Bluetooth 4.2
* Cutter
* Peeler
* UHF RFID (US 902-928MHz, EU 866-868MHz)
* Premium Asian Font Cards (SD Card)
* External 3in Supply Roll Dispenser
* QCMC (Quick Change Memory Card) (SD-Card)

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