



- High-end features and performance at an economical price
- Twice the memory of other printers in its class
- World class service and support
- User-friendly graphical interface eases configuration and installation
- Enterprise-level remote printer management
- Field upgradeable to RFID

## leadership by design

### RFID-READY THERMAL PRINTING TECHNOLOGY



The T4M™ RFID-Ready thermal bar code printer represents the latest addition to the Printronix ThermalLine™ printer series. As part of the integrated portfolio of Printronix products, the T4M provides uncompromised performance and features with the same PSA3™ architecture found in our high performance thermal printers. The advanced PSA3™ architecture offers leading edge enterprise printer solutions and connectivity shared across the Printronix product portfolio. This architecture enables you to install the T4M seamlessly into mixed brand environments and uses the widest range of embedded printer protocol interpreters – while the easy-to-use graphical interface offers a unique icon menu driven navigation system for user-friendly installation and configuration.

Easily upgrade the T4M with a variety of user installable options like internal Ethernet or RFID. All T4M printers are certified EPCglobal Gen2 RFID-Ready and can easily be upgraded with Printronix's patented MP2 encoding technology to print and encode Gen2 UHF RFID labels.

#### T4M - CONTINUING THE PRINTRONIX HERITAGE

With its heavy-duty industrial design, the T4M delivers reliable performance for challenging applications and environments, in a cost-effective solution. The T4M helps you to maximize productivity, whilst also providing the flexibility to grow with changing requirements. It is the ideal solution for thermal bar code printing applications like distribution, shipping and receiving, product identification and manufacturing.

It is designed for businesses seeking the most economical solution for RFID-Ready printing and builds upon Printronix's reputation for reliability, durability, and product leadership in supply chain printing and enterprise printer management.



**PRINTRONIX**  
GLOBAL PRINTING...ENABLED.



## T4M THERMAL PRINTER

4" Thermal transfer or direct thermal, industrial and commercial grade, RFID-Ready

### STANDARD FEATURES

32MB DRAM  
8MB Flash  
Rugged Metal Construction  
Printer Install Wizard  
Large Graphic User Interface  
Colour Coded User Cues  
Adjustable Transmissive Sensor  
Reflective Sensor  
Auto-Calibration  
USB 2.0, Serial, Parallel  
Embedded Printer Language Support (Printronix, Zebra, TEC, Sato, Intermec, Datamax)  
Label Design Program  
XML Enabled Printing  
XML Based Remote Management via PXML  
PrintNet™ Remote Management\*  
Snap-in and Upgradeable Printheads  
Media Counter  
Ribbon Life Indicator

### OPTIONS

PrintNet 10/100 Base-T Ethernet  
UHF RFID Upgrade Kit  
Wireless 802.11b/g Ethernet\*\*  
Peel without Liner Rewind  
Peel with Liner Rewind  
Full Media Rewind  
Cutter  
Memory Cartridge  
DBCS Font Cartridge  
Real Time Clock

\*Requires PrintNet 10/100 Base-T Ethernet

\*\*USA, Canada & European Union only

†Protocol Interpreters for ZPL, TEC, IPL, Sato and DPL with RFID commands for ZPL and Sato only

### RFID FIELD UPGRADE KIT

Upgrade the RFID-Ready T4M thermal transfer printer with Printronix industry leading MP2 RFID Smart encoding technology:

- Gen 2 hardware certified UHF RFID encoder
  - Configured to approved global frequency standards
  - Supports EPCglobal Class 1, Gen 2 standards
- Multi-position RF coupler, Advanced Printer Encoder Firmware

### INTERFACES

**Standard:** RS232 Serial, IEEE 1284, Centronics, USB 2.0

**Optional:** Ethernet, Wireless (802.11b/g)\*\*

### USER INTERFACE

**Message Display:** User friendly interface offering a unique icon menu driven navigation system with up to 8 lines of displayed messages

### PRINTING SPECIFICATIONS

**Memory:** 32MB DRAM, 8MB FLASH

**Print Speed:** 10 ips @ 203 dpi (254mm/sec @ 8 dpmm),  
10 ips @ 305 dpi (254mm/sec @ 12 dpmm)

**Printing Methods:** Thermal transfer or direct thermal

**Resolution:** 203 dpi (8 dpmm), optional 305 dpi (12 dpmm)

**Printable Width:** 4.1" max (104mm)

### MEDIA COMPATIBILITY

**Media Types:** Paper, film or synthetic thermal transfer or direct thermal label, tag and ticket stock in roll or fanfold form

**Media Capacity:** Roll Supply – 8" diameter on a 3" core (203mm diameter on a 76mm core)

**Media and Liner Width:** 1.0" to 5.15" (25.4mm to 130mm)

**Media Thickness:** 0.0023" to 0.010" (0.06mm to 0.254mm)

**Label Length (min/max):** 0.25" to 99" (6mm to 2,514.6mm)

**Thermal Transfer Ribbon:** Ribbon Width (min/max) – 1.55" to 5.0" (39.4mm to 127mm)

**Maximum Ribbon Length:** 450m

**Ribbon Core Diameter:** 1.0" (25.4mm)

**Ribbon Max. Outer Diameter:** 3.3" (83.8mm)

### MEDIA SENSING METHODS

Transmissive (Gap, Notch, Hole), Reflective (Black Mark), Disable (Continuous Media)

### MEDIA HANDLING MODES

Tear-Off Strip, Peel-Off, Cutter, Continuous

### MEDIA HANDLING OPTIONS

**Full Media Rewind:** Rewinds full roll of labels  
**Peel with Liner Rewind:** Peels labels and rewinds used liner from an 8" (203mm) label roll

**Peel without Liner Rewind:** Peels labels without rewinding used liner

**Cutter:** Cuts labels after printing specified number of labels

### PROGRAMMING LANGUAGES

**Standard:** Printronix Graphics Language (PGL)

Zebra Graphics Language (ZGL)†

TEC Graphics Language (TGL)†

Intermec Graphics Language (IGL)†

SATO Graphics Language (STGL)†

Datamax Graphics Language (DGL)†

XML – XML Enabled Printing

### BAR CODE SYMBOLOGIES

Australian Post, Aztec, BC412, Code 128 (A,B,C), Code 35, Code 39, Code 93, Codabar (NW7), Datamatrix, EAN13 (JAN), EAN-8 (JAN), FIM, 125, German I-2/5, IFT14, ITF14, Matrix (2 of 5), Maxicode, MSI, PDF-417, Planet, Plessey, PostBar, Postnet, ROYAL BAR, RSS14, Telepen, UCC/EAN 128, UPC A, UPC E, UPC EO, UPC E1, UPC SHIP, UPS 11

### FONTS AND CHARACTER SET

**Fonts:** Monotype Imaging (Agfa Monotype), Letter Gothic Bold, Courier Bold, CG Triumvirate Bold Condensed, OCR-A, OCR-B, CG Times, CG Triumvirate Bold, (additional fonts available)

**Character Set:** Unicode with TrueType font support

### GRAPHIC SUPPORT AND WINDOWS DRIVERS

**Graphic Support:** PCX and TIFF file formats

**Windows Drivers:** Microsoft Windows 2000/XP/2003 server

### ELECTRICAL REQUIREMENTS

**Power:** Auto ranging power supply 90-264 VAC (48-62Hz) PFC

**Regulatory Compliance:** FCC-B, ICES-003, EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 60950, cMETus, CE, BSMI, CCC, C-Tick, GOST-R, MIC, Argentina "S" mark

### ENVIRONMENTAL FACTORS

**Operating Temperature:** 5°C to 40°C

**Operating Humidity:** 0% to 90% non-condensing

**Storage Temperature:** -5°C to +60°C

**Storage Humidity:** 5% to 90% non-condensing

**Dimensions:** 11.75" W x 18.75" D x 12.125" H (298mm W x 476mm D x 308mm H)

**Printer Weight:** 33lbs (15Kg)

**Shipping Weight:** 41lbs (18.6Kg)

For further information about our products and services, please visit our website at:

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