



- Uncompromised 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 offers ease of configuration and installation
- Remote printer management
- Field upgradeable to RFID

## leadership by design

### THERMAL PRINTING TECHNOLOGY



The T4M™ industrial and commercial thermal bar code printer delivers reliability and dependable performance with its rugged metal design. Based on its Printronix heritage, the T4M provides uncompromised performance and features with the same PSA3™ advanced electronic architecture found in the high performance T5000r™. The PSA3 architecture offers leading edge enterprise printer solutions and connectivity shared across the Printronix product portfolio. Install the T4M seamlessly into other printer brand environments using the widest breadth of embedded printer protocol interpreters. The T4M maximizes productivity and offers flexibility to grow with changing requirements. The user friendly graphical interface offers a unique icon menu driven navigation system for easy configuration and installation. This cost conscious thermal bar code printer provides the perfect printing solution for small and medium printing applications like distribution, shipping and receiving, product identification and manufacturing.

#### T4M - FOLLOWING THE PRINTRONIX HERITAGE

The T4M industrial and commercial printer represents the latest addition to the Printronix ThermaLine™ series of thermal bar code printers. Easily upgrade the T4M with a variety of user installable options like internal Ethernet or RFID. All T4M printers are designed as RFID Ready and can easily be upgraded with Printronix patented MP2™ encoding technology to read and encode UHF RFID Smart Labels. As the cost efficient printing solution, the T4M delivers lightning fast printing performance and multiple printer language support that makes it the unmatched industrial bar code thermal printer. Choose the superior support of the T4M and experience the industry leading service that has made the Printronix ThermaLine and RFID SmartLine™ families the favorite among major retailers and consumer packaged goods companies.

**PRINTRONIX**®

GLOBAL PRINTING... ENABLED.

# THERMALINE T4M



## 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  
Color 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\*\*  
Peel without Liner Rewind  
Peel with Liner Rewind  
Full Media Rewind  
Cutter  
Memory Cartridge  
DBCS Font Cartridge  
Real Time Clock

### 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" (22mm to 127mm)

**Media Thickness:** 0.0023" to 0.010" (0.06mm to .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" (39.5mm to 127mm)

**Maximum Ribbon Length:** 450M

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

**Ribbon Outer Diameter (max):** 3.3" (85mm)

### 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 w/ Liner Rewind:** Peels labels and rewinds used liner from an 8" (203mm) label roll

**Peel w/o 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, 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

(-23°F to +104°F)

**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)

\* 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

Printronix offers a wide selection of RFID label sizes, inlay designs, and thermal transfer ribbons. Contact your local Printronix supplies reseller for Genuine Printronix Ribbons and Labels, or contact Printronix at [www.primtronix.com](http://www.primtronix.com) or call 800-733-1900



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