ONLINE T4M
ETHERNET/PGL
Ribbon Life ****

- **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 lightening 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.

QUICK CHANGE MEMORY CARTRIDGE
Printronix now has an additional way to make your deployment a snap, the quick change memory cartridge (QCMC). The QCMC stores your printer's configuration, network settings and fonts. This memory cartridge allows you to easily install new printers and if a printer ever fails, allow easy change out by your operators. The T4M becomes the mid-range printer of choice for mission critical applications.

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
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, IER, Monarch)
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
Quick Change Memory Cartridge (QCMC)
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: Wireless (802.11b/g, 54mbps)**
    128bit WEP
    WPA-PSK / TKIP (Personal)
    WPA2-PSK / AES CCMP
        (Personal/Enterprise)
    PEAPv0 MSCHAv2, LEAP, TTLS
(supports PrintNet Enterprise and PXML)

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)
IER Siège® Graphic Language (IEGL)
Monarch Graphic Language (MGL)
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, I-2/5, German I-2/5, IMB, 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 E0, 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
† Includes RFID commands

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.printronix.com or call 800-733-1900

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