SUPPORTING YOUR THERMAL PRINTING NEEDS TODAY AND TOMORROW

T5000r™ thermal printers, based on the world-class 5r Multi-Technology Platform, are web-enabled, industrial-grade thermal bar code label printers designed to operate in demanding manufacturing or distribution environments. Through leadership by design Printronix thermal printers enable the rollout of bar code label printing throughout the supply chain with an open migration path to RFID for future requirements. Users can obtain RFID upgrade kits as needed when supply chain applications require advance tracking and compliance. Upgrade kits have everything needed to upgrade to a multi-protocol SmartLine™ printer.

Optimized with PrintNet® Enterprise, the T5000r printers allow IT network managers to remotely control, configure, manage and monitor printers over the network. And with Online Data Validation (ODV™) and ODV Data Manager, users have a closed loop system providing the security of 100% guaranteed good bar codes with documented readability reports.

ADDITIONAL FEATURES

- Unique dual motor ribbon system eliminates clutch replacement and ribbon wrinkle
- Aluminum die-cast design dampens vibration and maintains precise printer alignment
- Ventless system operates in environments with airborne particulate matter without compromising performance
- Easy side-load, cleaning and maintenance
- Wireless/Ethernet option provides real-time data access and local printing flexibility
- The GPIO option offers unparalleled integration with third party equipment
- Greater ribbon capacity eliminates frequent attention and disruption to workflow
- ODV option offers a complete bar code/RFID compliant solution
- PrintNet Enterprise option provides total control of worldwide print operations remotely

ASSET PROTECTION

The Printronix T5000r thermal printers provide an upgrade path to RFID through a comprehensive upgrade kit solution compliant to today’s standards and compatible for growth to expand to tomorrow’s needs. Built on the 5r Multi-Technology Platform, the T5000r offers a foundation for protocol upgradeability and expansion through firmware upgrades. Available upgrades include global frequency kits and RFID upgrade kits for multi-protocol EPCglobal Class 0, 0+, 1, Philips 1.19 and future EPCglobal Class 1 Gen 2. The T5000r eliminates service calls with field installable snap-in print heads that allow easy resolution change and the most extensive list of options such as ODV, guaranteeing 100% good bar codes every time.
THERMALINE T5000™

T5000™ RFID PRINTERS

Thermal transfer or direct transfer
Industrial grade
RFID field upgradeable

FIELD UPGRADE KIT

Upgrade your thermal printer to RFID with the following upgrade kit

SLMP Kit
Multi-protocol UHF encoder set to global frequency standards
Supports EPCglobal Class 0, 0+, 1, Gen 2 and Philips 1.19 standards*

* Compatibility with future EPCglobal Class 1 Gen 2 standard through firmware upgrade. Please contact Printronix or a Printronix Certified RFID Integrator for availability.

PRINTING CHARACTERISTICS

Print Speed
T5204™-4™: 10 IPS @ 203 dpi (254mm/sec)
T5304™-4™: 8 IPS @ 300 dpi (203mm/sec)
T5206™-6™: 10 IPS @ 203 dpi (254mm/sec)
T5306™-6™: 8 IPS @ 300 dpi (203mm/sec)
T5208™-8™: 8 IPS @ 203 dpi (203mm/sec)
T5308™-8™: 6 IPS @ 300 dpi (152mm/sec)

Printing Methods
Thermal transfer or direct thermal

Resolution
203/300 dpi (operator interchangeable)

Printable Width
4.1” max (104mm) (T5204/T5304)
6.6” max (168mm) (T5206/T5306)
8.5” max (216mm) (T5208/T5308)

RFID ENCODING (OPTIONAL UPGRADE KIT) (Excludes 8” printers T5208®/T5308®)
UHF encoder set to global frequency standards
Supports EPCglobal Class 0, 0+, 1, Gen 2 and Philips 1.19 standards*

* Compatibility with future EPCglobal Class 1 Gen 2 standard through firmware upgrade. Please contact Printronix or a Printronix Certified RFID Integrator for availability.

MEDIA HANDLING CHARACTERISTICS

Tear-Off
Individual label tear-off

Tear-Off Strip
Label strips tear-off

Continuous
Labels print continuously

Cut
Label cut to length

Peel-Off
Label peel and present
(PEEL-OFF MODE REQUIRES REWIND OPTION)

MEDIA HANDLING OPTIONS

Rewinder
Required for peel and present. Not recommended for batch rewind of RFID labels

Cutter Kit
Cuts labels after printing specified number of labels

MEDIA COMPATIBILITY

Media Types
Roll or fanfold

Labels, tags and tickets

Paper, film or synthetic stock

Thermal Transfer or Direct Thermal

Media Width
1.0” to 4.5” (T5204/T5304)
2.0” to 6.8” (T5206/T5306)
3.0” to 8.75” (T5208/T5308)

Media Thickness
0.0025” to 0.010”

Roll Core Diameter
3.0” (7.6 cm)

Maximum Roll Diameter
8.0” (20.3 cm)

Thermal Transfer Ribbon
-ribbon width acceptable
1.0” to 4.33” (T5204/T5304)
2.0” to 6.8” (T5206/T5306)
3.0” to 8.75” (T5208/T5308)

-Standard Ribbon Length
625m

OPERATOR CONTROLS & INDICATORS

Operator Controls
Off Line-On Line, Test Print, Job Select, Form Feed Menu, Cancel, Enter

Message Display
32 character

Indicators
Off Line-On Line, Menu

BAR CODE VALIDATION

Optional
Online Data Validation (ODV) - verifies bar code quality, overstruck failed bar codes, and a replacement label is printed.

PROGRAMMING LANGUAGES

Standard Languages
Printronix Graphics Language (PGL)
Zebra Graphics Language (ZGL)*
TEC Graphics Language (TGL)*
Intermec Graphics Language (IGL)*
Sato Graphics Language (STGL)*

*Printer Protocol Interpreters for ZPL, TEC, IPL and Sato with RFID commands for ZPL and Sato only

Optional
IPDS over Ethernet, Twain or Coax

PROTOCOLS

Optional
Telnet TNS5250/TN3270

BAR CODE SYMBOLORIES AVAILABLE


SENSING METHODS

Transmissive, Reflective (Gap, Mark, Notch, Continuous Sensing Form)

INTERFACES

Standard
RS232 Serial
IEEE 1284 (Centronics)

USB 2.0

Optional
Ethernet (includes PrintNet Enterprise Software CD)
Wireless (802.11b) (includes PrintNet Enterprise Software CD)
Coax/Twain
GPIO (General Purpose Input/Output)

FONTS, GRAPHICS SUPPORT, WINDOWS DRIVERS

Fonts
OCRA, OCRB, Courier, Letter Gothic, CG Times, CG Triumvirate, CG Triumvirate Bold, CG Triumvirate Bold Condensed

Graphic Support
PCX, BMP and TIFF file formats

Windows Drivers
Windows NT/2000/XP

MEMORY

DRAM
32Mb standard

Flash
8Mb standard (16Mb optional)

POWER REQUIREMENTS

Line Input
90-264 VAC (48-62Hz) PFC

Power Consumption
150 watts (typical)

ENVIRONMENTAL CONSIDERATIONS

Operating temperature
8°C to 40°C

Dimensions
11.7” W x 20.5” L x 13.0” H (T5204/T5304)
13.4” W x 20.5” L x 13.0” H (T5206/T5306)
15.4” W x 20.5” L x 13.0” H (T5208/T5308)

Power Consumption
150 watts (typical)

Printer Weight/Shipping Weight
37lbs/46lbs (T5204/T5304)
40lbs/52lbs (T5206/T5306)
43lbs/52lbs (T5208/T5308)

Printronix offers a wide selection of RFID label sizes and inlay designs as well as thermal transfer ribbons. To learn more about RFID labels and supplies or to place an order, visit www.rfid.printronix.com or call 800-733-1900