THERMALINE T5000r

THERMAL PRINTING TODAY WITH TOMORROW'S TECHNOLOGY

Based on the PRINTRONIX 5r Multi-Technology Platform, the ThermaLine™ T5000r family is a rugged thermal bar code printer designed to operate in industrial environments.

Incorporating real-world experience, the T5000r combines reliability with utility, power and flexibility. It also supports a wide range of connectivity and control possibilities without sacrificing performance.

Built to be RFID Smart-Ready, the T5000r easily converts to a UHF printer-encoder as you test and deploy RFID technology solutions. The T5000r firmware can also be easily upgraded to keep pace with new applications and standards.

KEY FEATURES

- 32-bit processor for ultra-fast processing and throughput performance
- 32MB SDRAM memory and 8MB Flash with font and image storage capability
- 625m ribbon reduces downtime and supply cost
- Printronix eXtensible Markup Language (PXML) interface enables real-time printer management and job control
- Native Zebra, TEC, Intermec, Sato and Datamax programming language support
- Field-upgradeable XML forms printing with embedded industry standard forms and templates
- Unicode with TrueType font support for worldwide compliance and local printing requirements

GUARANTEED BAR CODE QUALITY

The T5000r delivers dependable and reliable bar code label printing and accommodates higher density bar codes, increased graphics and smaller text with snap-in print heads. When used in conjunction with ODV™ technology (Online Data Validation), the T5000r provides verification of scannable bar codes at the point of label creation. Combining bar code compliance and RFID technology the T5000r links bar code and EPC data together for storage, retrieval, electronic audits and data synchronization.

5r

MULTI-TECHNOLOGY PLATFORM

leadership by design

SCALABLE

Native printer emulation support allows users to standardize on a single printer for mixed printer-language environments

INNOVATIVE

Open standard XML-based platform for non-proprietary printing, including job and printer control

BEST-OF-BREED

Rugged, die-cast aluminum design, vent-less cooling, and high performance processor ideal for industrial environments

BUILT FOR CHANGE

Snap-in print heads allow operators to replace print heads and change resolution without firmware or hardware changes

SMART READY

Field upgrade-able to support future UHF RFID requirements

RFiD (((SMART)))™

PRINTRONIX®

GLOBAL PRINTING...ENABLED.

THERMALINE T5000r

T5000r THERMAL PRINTERS

T5000r Thermal transfer or direct transfer Industrial grade RFID field upgradeable

FIELD UPGRADE KIT

Upgrade the T5000r to RFID with the following upgrade kit

SLMP2 Kit	Multi-protocol UHF encoder set to global frequency standards - Supports EPCglobal Class 0, 0+, 1, Gen 2 and Philips UCode 1.19 standards

(Excludes 8" printers T5208r/ T5308r)

MEMORY

DRAM	32MB standard
Flash	8MB standard (16MB optional)

PRINTING CHARACTERISTICS

Print Speed	T5204r-4": 10 IPS @ 203 dpi (254mm/sec) T5304r-4": 8 IPS @ 300 dpi (203mm/sec) T5206r-6": 10 IPS @ 203 dpi (254mm/sec) T5306r-6": 8 IPS @ 300 dpi (203mm/sec) T5208r-8": 8 IPS @ 203 dpi (203mm/sec) T5308r-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) (T5204r/T5304r) 6.6" max (168mm) (T5206r/T5306r) 8.5" max (216mm) (T5208r/T5308r)

RFID ENCODING (OPTIONAL UPGRADE KIT) (Excludes 8" printers (T5208r/ T5308r)

UHF encoder set to global frequency standards; supports EPCglobal Class 0, 0+, 1, Gen 2 and Philips UCode 1.19 standards.

Operation Modes	**Write/Verify/Print** – write RFID data to tag and verifies contents are written correctly, while also printing the desired image
Error Handling Modes	**Overstrike** – when a bad RFID tag is detected, overstrikes label and applies the data to the next label **Stop** – when a bad tag is detected, stops the printer to allow for user intervention
Statistics Tracking	Tracks number of tags written to and number of bad tags detected

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" (T5204r/T5304r) 2.0" to 6.8" (T5206r/T5306r) 3.0" to 8.75" (T5208r/T5308r)
Media Thickness	0.0025" to 0.010"
Roll Core Diameter	3.0" (76mm)
Maximum Roll Diameter	8.0" (209mm)
Thermal Transfer Ribbon	
-Ribbon Width (min/max)	1.0" to 4.33" (T5204r/T5304r) 2.0" to 6.8" (T5206r/T5306r) 3.0" to 8.75" (T5208r/T5308r)
-Maximum Ribbon Length	625m

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

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, overstrikes failed bar codes, and reprints a label

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)* *Printer Protocol Interpreters for ZPL, TEC, IPL, Sato and DPL with RFID commands for ZPL and Sato only
Optional	XML – eXtensible Mark-up Language IPDS over Ethernet, Twinax or Coax

PROTOCOLS

Optional	Telnet TN5250/TN3270

BAR CODE SYMBOLOGIES AVAILABLE

AUSTPORT, Aztec, BC35, BC412, CODABAR, Code 11, Code 35, Code 39, Code 93, Code 128 (A,B,C), DATAMATRIX, AN8, EAN13, FIM, 125GERMAN, Interleaved 2/5, ITF14, Matrix, MAXICODE, MSI, PDF417, PLANET, PLESSEY, POSTNET, POSTBAR, ROYALBAR, RSS14, TELEPEN, UCC/EAN-128, UPC-A, UPC-E, UPC-E0, UPCSHIP, UPS11

SENSING METHODS

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

INTERFACES

Standard	• RS232 Serial • IEEE 1284 (Centronics) • USB 2.0
Optional	• Ethernet (supports PrintNet Enterprise or PXML) • Wireless (802.11b) (supports PrintNet Enterprise or PXML) • Co-axial/Twin-axial • 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
Character Set	Unicode with TrueType font support
Graphic Support	PCX, BMP and TIFF file formats
Windows Drivers	Microsoft Windows NT/2000/XP

POWER REQUIREMENTS

Line Input	90-264 VAC (48-62Hz) PFC
Power Consumption	150 watts (typical)
Regulatory Compliance	FCC-B, UL, CSA, ETSI EN 300 220, CE

ENVIRONMENTAL CONSIDERATIONS

Operating Temperature	+5˚C to +40˚C
Dimensions	11.7" W x 20.5" L x 13.0" H (T5204r/T5304r) 13.4" W x 20.5" L x 13.0" H (T5206r/T5306r) 15.4" W x 20.5" L x 13.0" H (T5208r/T5308r)
Printer/Shipping Weight	37lbs/46lbs (T5204r/T5304r) 40lbs/49lbs (T5206r/T5306r) 43lbs/52lbs (T5208r/T5308r)

For further information, please visit our website at:
www.printronix.com

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Designed for Microsoft® Windows® XP

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