



TN5250/3270 EMULATION ETHERNET WITH JOB CONTROL

The TN5250/3270 emulation allows migration of Twinax or Coax applications to Ethernet without the loss of visibility and control present with IP printing. Without any modifications to the host application, its fully integrated bi-directional communication enables SNA-like control and management of print jobs. So, with TN5250/3270 all you lose is the cost and inflexibility of Twinax / Coax; not the job control.

- Automatic confirmation of pages that have and have not printed
- Knowledge of where errors have occurred in batch printing
- The ability to restart printing on only those pages needed
- Full access to all the features and functionality of PrintNet Enterprise, a premier printer management application

RJS VERIFICATION SOLUTIONS STAND ALONE VERIFIER INTEGRATION AND CUSTOMIZATION

Because bar code quality is such an important factor in smooth supply chain operations, Printronix provides state-of-the-art verification equipment.

- Provides integration of bar code validation into your printing and automation process
- Captures and stores bar code data and validation quality metrics into external corporate databases
- Printronix RJS verifiers are ideal for automated conveyance systems because of their unique ability to both scan and verify
- General purpose I/O capability allows for the discovery of non-scannable bar codes to trigger rerouting or line stoppage
- Connect to virtually any brand of bar code printer and will stop the printer upon discovery of a bad bar code



PRINTRONIX PROFESSIONAL SERVICES IMPROVE YOUR COMPETITIVE EDGE

AUTO-ID/RFID CONSULTING

- EPCglobal data management and integration
- Rapid implementation and deployment
- Development and implementation of a successful migration strategy from bar code to RFID
- Smart label print-and-apply integration and support services

LABEL COMPLIANCE AND CERTIFICATION

- Root cause assessment for failed EPCglobal labels and bar codes
- Assess and solve label-related charge-back fines
- Implement a complete auditing and quality control system to record EPCglobal and bar code quality history

SAP AND ERP BAR CODE AND RFID

- Offer custom device types and drivers to facilitate SAP/ERP EPC label encoding and printing
- Integrate bar codes into ERP applications
- Support ABAP/4 and SAPscript
- Provide expertise with available EPC-compliant middleware packages

LEGACY APPLICATION MIGRATION/IMPLEMENTATION

- **Legacy Connectivity** – Printronix printers support nearly all the leading host systems, printer languages, and physical connectivity types to allow seamless integration into almost any environment. Even still, rare incompatibilities or special requirements can exist. Using Printronix's unique Character Substitution Table (CST) feature the printers can be "trained" to intercept and modify the data stream before printing. So, virtually any data stream changes can be corrected or modified to create the desired output without any costly host application modification.
- Migrate data streams to new printing platforms without modifying host applications
- Integrate bar code and RFID systems
- Apply software tools to bridge the transition
- Integrate with Microsoft Back Office

RFID ENCODE, PRINT AND APPLY INTEGRATION

- Customize encode, print and apply applications
- Integrate to conveyor systems and other hardware devices
- Integrate to PLCs (Programmable Logic Controller)
- Optimize for maximum throughput

OTHER SERVICES

- Onsite assessments
- Development and testing
- Electronic forms creation
- CST creation for application migration
- Project management
- Installation
- Training

PRINTRONIX® SOLUTIONS



SOLUTIONS TO MAXIMIZE YOUR PRINTING SYSTEM INVESTMENT

PRINTRONIX®
GLOBAL PRINTING...ENABLED.

PRINTRONIX SOLUTIONS – SPANNING YOUR ENTERPRISE

The quick, accurate printing of bar code labels and important documents is a critical link in your supply chain and vital to the success of your business. Better efficiencies at this level of your production cycle can mean reduced maintenance costs, increased productivity, improved performance and speedier delivery times of products to customers. The following features help you to retain or increase your competitive advantage:

- **VISIBILITY** – On every point of bar code creation and transaction document printing
- **CONTROL** – Over label and document formats, printer configuration and instant diagnostics
- **FLEXIBILITY** – To print what you want, when you want, where you want
- **TOTAL BAR CODE AND LABEL QUALITY** – To ensure that goods will travel through the supply chain with 100% bar code accuracy
- **LEGACY CONNECTIVITY** – Seamless integration with any host without application modifications

Printronix printers are used for a multitude of applications: business reporting, manufacturing, warehousing and distribution printing. When today's global enterprises need to print documents – forms, packing sheets, invoices, bar codes or labels – equipment alone is not enough. Printronix has created network-integrated technology tools to help you control output quality and increase turnaround time, thus increasing the efficiency of your print operations.

5r
MULTI-TECHNOLOGY PLATFORM
leadership by design

SCALABLE • INNOVATIVE • BEST OF BREED • BUILT FOR CHANGE • SMART READY

RFID SMART LABEL PRINTING

Smart Labels come from smart printers, and Printronix offers a range of world-class UHF printers and solutions that provide maximum versatility and flexibility. Based on the 5r Multi-Technology Platform and patented MP2 RFID Smart encoding technology, these printers deliver true Gen 2 encoding. MP2 is the leading encoding technology on the market today with EPCglobal Gen 2 Certified Hardware. This certification mark gives users peace of mind that the printer/encoder complies with EPCglobal standards and has been rigorously tested, assuring predictable results for RFID implementations. The SmartLine of RFID printers also supports a range of smart label sizes and antenna configurations to provide customers with the choices they need to implement RFID.



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**PRINTNET ENTERPRISE
RAISING REMOTE PRINTER MANAGEMENT
TO AN UNPRECEDENTED LEVEL**

Successful organizations are flexible enough to meet new requirements in a changing marketplace. PrintNet® Enterprise provides this flexibility by placing total control of worldwide print operations in your IT network manager's hands. By combining a fully integrated Ethernet adapter and Java-based remote management software, this remote printer management tool provides:



INCREASED RESOURCE EFFICIENCY

- Centrally manage, organize and control Printronix printers remotely on a LAN/WAN
- Remotely control, configure, manage and monitor printers over the network

REDUCED DOWNTIME COSTS

- Maximize printer uptime by instant response to printer issues from email, pager or cell phone alerts

MAXIMIZED SECURITY

- Utilize PrintNet Enterprise remote front panel emulation to secure and protect printer configurations by locking out unauthorized users

COMPLETE COMPATIBILITY

- PrintNet Enterprise is designed for upward compatibility to support and manage the entire Printronix family of future printers in a fast expanding network

**MOBILE PRINT SYSTEM (MPS)
PRINTING WHERE YOU NEED**

Printronix recognizes the need to have bar code printing and RFID encoding applications anywhere, at any time. The Printronix Mobile Print System (MPS), when combined with the 5r Platform smart printers, delivers thermal bar coding and RFID directly to locations that need it the most. Its ergonomic design has a durable steel frame and heavy-duty wheels for maximum maneuverability and minimal maintenance



**FORM PRINTING
ON DEMAND**

Many applications are best served by multipart forms, but pre-printing is costly, inflexible and often requires huge inventory purchases. Printronix allows electronic forms to be created and stored on the printer. At run time, these forms are merged with the data and printed on plain multipart paper to create completed form sets on demand.

**WIRELESS... WITH A DIFFERENCE
PROVIDING FREE-FLOWING, FLEXIBLE PRINT
MANAGEMENT**

Today's "just-in-time" manufacturing and logistics environments are demanding of printers:

- Printing must happen where and when it is needed
- Frequent warehouse, distribution center and factory configuration changes involve expensive cabling and retesting procedures
- Wireless LAN technology provides a viable solution, but increases the need for true printer management to ensure consistency and diagnostic control

Printronix addresses these demands. Equipped with the exclusive Printronix PrintNet wireless NIC, the T5000r thermal and line matrix printers take the modern enterprise user far beyond the boundaries of connectivity and into the world of free-flowing, flexible print management. Sliding seamlessly into any 802.11b® wireless network and powered by PrintNet Enterprise – the benchmark in industrial network print management – this technology:

- Supports the explosive growth in wireless LAN technology; for the first time, true manufacturing and logistics printing can be fully integrated into the main IT infrastructure – inexpensively, efficiently and effectively
- Enables the easy integration of thermal bar coding in 3PL, manufacturing and other environments where physical configurations change periodically
- Allows for high-quality, low-cost line matrix transaction document printing at the very point of supply chain need – on the manufacturing line printing label sets, in the warehouse printing pick lists and at the shipping dock printing multipart documents
- Enables web-based printer management, locally or globally, providing consistency and diagnostic control

**GENERAL PURPOSE INPUT AND OUTPUT (GPIO)
PROVIDING FREE-FLOWING,
FLEXIBLE PRINT MANAGEMENT**

The GPIO module enables a T5000r printer to interface with external equipment through input and output signals. The most common external equipment used with thermal printers is a label applicator. Other possibilities include Programmable Logic Controllers (PLC), status indicator lights, RJS SV Series verifiers, scanners and user operated push buttons. GPIO Manager is a powerful software program that can access and configure all the input and output circuits on the GPIO module with more flexibility than the standard printer menus. This system is used for systems that require more complex and/or custom applications. This creates the most powerful and flexible I/O interface in the industry.

**BAR CODE VALIDATION
100% COMPLIANCE GUARANTEED**

Bar code labeling is a key supply chain enabler – if labels scan every time. Bar code verification ensures maximum reliability in the interface between bar code printing and scanning techniques, thus improving quality, increasing productivity, eliminating the unnecessary costs of goods and helping you acquire accurate quality-control information to enhance decision-making:

- Bad bar codes reduce efficiency, resulting in non-compliance fines, lagging production lines and delayed shipment of consumer goods
- Bad bar codes can halt cross-dock operations at a retail distribution center
- Bad bar codes can damage vendor/retailer relationships

One technology solution provides total bar code quality control:

ONLINE DATA VALIDATION (ODV™)

ODV analyzes every printed bar code to assure that it meets stringent verification standards:

- ODV stops bad bar codes from getting into your production or distribution systems – without reducing throughput
- ODV performs 100% inspection for linear bar codes and conducts a complete print quality check on PDF417 bar codes to enable dependable quality control in automotive supply chain environments
- ODV's unique void-and-reprint technology allows the system to run unattended, minimizing cost and allowing almost instantaneous ROI

Printronix has closed the bar code creation process loop with the release of ODV Data Manager, a solution for fully automated bar code quality control:

- Captures and displays all bar code quality data by label and bar code to ensure enterprise wide remedies for error conditions
- Enables the storage of all bar code quality data in common database applications, such as Oracle and DB2

