



Industrial Networks
RAILTRAC® Mobile™
MOBILE AEI TAG, RFID AND BARCODE READER SOLUTION

APPLICATIONS

RAILTRAC® Mobile™ Inventory

RAILTRAC® Mobile™ Inventory is a portable device used to accurately report railcar movements. The device provides real-time wireless transmission directly to your database via T-94 and standard SQL interface for reporting and analysis. The system also offers:

- Easy to use drop down menus to identify location of placements, pulls, receipts, deliveries and wheel movements.
- Edit feature for easy manipulation of data before it is transmitted.
- Functionality to save consist.

RAILTRAC® Mobile™ Inspect

RAILTRAC® Mobile™ Inspect is a portable system that provides robust functionality to perform inspections of loaded and empty rail equipment for safety and quality control. The system also:

- Automatically retrieves the proper inspection list based on car type, customer, load/empty designations.
- Presents inspection items for check or comment.
- Records select railcar profile items for safety and compliance.
- Records inspection by date/time and operator ID.
- Maintains a permanent record of the inspection by date/time and inspector ID.
- Is a UL approved inspection system.

APPLICATION BENEFITS

- Automates all processes and eliminates human error.
- Optimizes space utilization and increases overall efficiency.
- Maximizes asset management.
- Captures exact date/time stamp of units entering/exiting your facility for tracking reporting and accurate calculation of charges.
- Reports real-time inventory levels including switch and storage locations.
- Increases personnel safety.
- Ensures compliance with critical government regulations.
- Installs quickly and inexpensively.
- Reduces billing mix-ups.
- Provides remote access to troubleshoot issues for reduced down time.
- Future tank car loading, weigh scale monitoring and test data capabilities.



Industrial Networks offers 24/7 support, complete site commissioning and full training on our systems. Our frequent system checks automatically notify an Industrial Networks technician of problems for fast resolution.



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HARDWARE FEATURES



- Mobile RFID (AEI) barcode reader combined with 700 series mobile computer.
- Combines power and speed on the Intel® XScale processor and Microsoft® Pocket PC operating systems.
- Unique “plug and play” connectivity installs easy and keeps maintenance costs low.
- Large, reflective TFT color display with crisp, vivid screen contrast both indoors and out.

- Configurable to multiple wireless communication options (802.11b, WAN and Bluetooth®) in the same device.
- Rechargeable lithium-ion battery pack for a full work shift.
- Durable to withstand the rigors of industrial environments and extreme weather conditions.
- Customizable operating modes and software programmability allow for a wide range of applications and reporting formats with T-94 and SQL reporting.
- Remote access for maintenance, configuration and software upgrades.



At Industrial Networks we affordably integrate systems to meet today’s challenges. Using our AEI and barcode readers to manage inventory, event reporting, inspections, seals and more within your railroad will make your job easier, increase efficiency and save money. Our immediate event reporting allows fast resolution of problems. With our readers you will reach higher customer service levels and, most importantly, ensure greater safety for your personnel. Industrial Networks’ readers are affordable with quick ROI. **Call us today for rates.**



INDUSTRIAL
NETWORKS

► SYSTEM INTEGRATION FOR TODAY’S CHALLENGES.

Handheld Reader System

INTEGRATION

The system is fully integrated with Bourque Data Systems' YardMaster© software.

FREQUENCY

902 to 928 MHz spread spectrum frequency-hopping for unlicensed operation in the United States.

READ/WRITE PERFORMANCE

Read/Write Ranges

Read at least 6 tags per second at a distance of 4 feet (1.2 m). Read 8 bytes of data from tag in less than 50 milliseconds (ms).

Write a single byte of data to a tag at an average of 75 ms at a distance of 3 feet (0.9 m).

SOFTWARE/FIRMWARE FEATURES

Protocols

Handheld reader software fully supports the ANSI INCITS 256 2001 for Application Peripheral Interface (API), parts 2, 3.1 and 4.2.

Communication Interface

Infrared data connection between the INP100 and INP100i handheld and 700 Series Mobile Computer.

Data Rate

33 to 40 kbps

Multitag Access (Filtering)

User-specified groups within a population of tags can be selected and read from and/or written to using multitag access commands.

HARDWARE FEATURES

Power Requirements

Removable lithium battery pack.

LEDs

LEDs located on the scan handle indicate the status of the following reader features: reader power, host communications, RF power, tag communications and battery power.

PHYSICAL CHARACTERISTICS

Weight

Scan handle with battery: 1.06 lbs (0.48 kg.)

Scan handle with 700 color mobile computer and battery: 2.29 lbs (1.04 kg.)

ENVIRONMENT

Operating Temperature

-4°F to 131°F (-20°C to 55°C)

Storage Temperature

-40°F to 158°F (-40°C to 70°C)

Humidity

0 to 95%, relative, non-condensing.

Shock

20 G, 1/2 sine pulse, 11 ms duration, during operation.

Vibration

1.0 G_{rms}, 10 to 500 Hz, 3 axes during operation.

Environmental

Scan handle is sealed against windblown rain and dust. International Electrotechnical Commission ((IEC) 529 rated at IP54.)

STANDARDS

Communications

The INP100 and INP100i conforms to the following standards:

Automotive Industry Action Group B-11
ANSI INCITS 256.2001-Parts 2, 3.1 and 4.2.

ANSI MH10.8.4

ISO/IEC CD18000 Part 4

ISO/IEC WD18000 Part 6

Federal Communications Commission (FCC) Part 15 /Industry Canada ICES-003 Class B digital emissions

Approvals

cULus listed accessory.

BATTERY PACK

1200 milliamp-hour, 90-135V AC, 50Hz/60Hz, lithium ion with integral charger and 4-hour charge time.

ACCESSORIES

Dual pack charger.

DOCUMENTATION

INP100 and INP100i Handheld Reader Quick Reference Guide.

For additional product information call 281.419.0796, email sales@inetlp.com or fax request to 281.419.0061.



I N D U S T R I A L
N E T W O R K S

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