INDUSTRIAL NETWORKS

RAILTRAC® Mobile

AFFORDABLE AEI TAG, RFID AND BARCODE READER SOLUTION

RAILTRAC® Mobile is a portable device used to accurately report railcar events. The device provides real-time wireless data transmission directly to your database via T-94 and standard SQL interface for reporting and analysis.

APPLICATION BENEFITS

- Automates all processes and eliminates human error.
- **Provides real-time event reporting**
- Provides the ability to capture Place, Pull, Wheel, Receipt and Delivery events.
- Can import railroad location information from rail tracking systems such as RMI for easy deployment and training in the field.
- Sends data in T-94 and standard SQL format
- Maximizes asset management.
- Ensures compliance with critical government regulations.
- Installs quickly and inexpensively.
- Provides remote access to troubleshoot issues for reduced down time.

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

PRODUCT FEATURES

- Mobile AEI tag, RFID, and barcode reader combined with an industrial grade mobile computer.
- Combines the power and speed of 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 contrasts both indoors and out.
- Configurable to multiple wireless communication options (cellular and 802.11b).
- Rechargeable lithium-ion battery pack for a full work shift.
- Numeric and full alphanumeric keypad.
- 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 (T-94 reporting and SQL).
- 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 overall productivity, and save money. Our immediate event reporting allows fast resolution of problems. With our readers, you will be able to 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.**

RAILTRAC® Mobile

SYSTEM INTEGRATION FOR TODAY'S CHALLENGE

240 Spring Hill Drive | Suite 400 | Spring, Texas 77386 | 281.419.0796 | sales@inetlp.com | www.inetlp.com

RAILTRAC® Mobile

Hardware Specifications

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
Typical read range (tag dependent): 0.2 ft to 10 ft (6.09 cm to 304.8 cm)
Typical write range (tag dependent): 1 ft to 2 ft
(30.5 cm-60.9 cm).

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 INP110 handheld and CN3 Series Mobile Computer.

Data Rate
Up to 54Mbps for 802.11g ODFM
Up to 11Mbps for 802.11b DSSS

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: .95 lbs (430 g)
Scan handle with CN3 color mobile computer and battery: 1.9 lbs (860 g)

ENVIRONMENT

Operating Temperature
-4°F to 131°F (-20°C to 55°C)

Storage Temperature
-22°F to 158°F (-30°C to 70°C)

Humidity
0 to 95%, relative, non-condensing.

Shock
30 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.

Non-incendive (NI) Option
Class I - Div. 2 Groups A, B, C, D
Class II - Div. 2 Groups F, G
Class III – Div. 2 T4

STANDARDS

Regulatory Approvals/Compliance

Safety: cULus Listed, GS, CCC, GOST (pending),
NOM, HKSI
EMC: FCC Part 15B – Class B, ICES-003 Class B, EN 55022 Class B, EN 55024, EN 301 489-17, AS/ZNS 3548, GB9254-1998, BSMI, ICASA
Radio: FCC Part 15.247, Industry Canada RSS 210, EN 300 328-2, Telecom. Num. 547, NCC, OFTA, MIC, IDA
Other: Compliant with all applicable EU Directives – EMC, Low Voltage, R&TTE, Vehicle, WEEE, RoHS, Packaging & Waste Packaging

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

INP110 Handheld Reader
Quick Reference Guide.

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