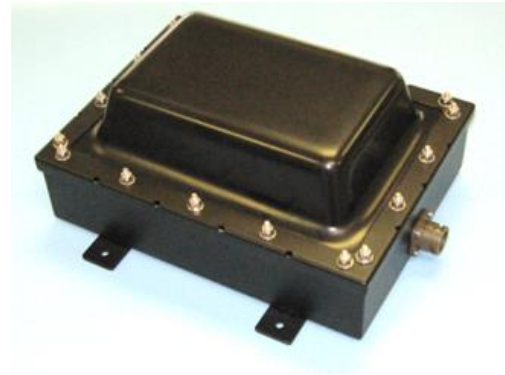




# SG901-1079 AIE Tag Reader Slick Sheet

## Overview

The SG901-1079 is a cost effective state of the art AEI reader capable of reading AT5110 tags installed on most railroads. This highly sensitive system is extremely effective allowing extremely reliable reading system. System performance in the field has shown very reliable performance for minimal maintenance costs.



## Key Features

- Design for railroad application
- Reads standard railway RFID tags
  - Transcore 5110
- Self-contained reader with serial port
- Required Power and Data.
- Ruggedized for both Mobil and fixed applications.
- Reads AT5110 Tags
- Speeds exceed 40MPH
- Adjustable Frequency
- Long range and highly sensitive
- Updated system in 2011
- Read distances better than 3.5 meters
- Adjustable frequency eliminates interference when multiple systems are install at the same location
- Simple Serial (RS232) Port interface
- Can be operated with zero configuration
- Supports on locomotive installation
- Designed for harsh railroad specifications
- Adjustable output power
- FCC Part 15 certification and IC (Canada)
- Communications using SLIP (RFC1055)
  - Details available on Request

## Key Specifications

- Read Range 3.5Meters
- Operating Range  $-40^{\circ}$  C to  $+70^{\circ}$  C
- RS-232 9600-3840bbs
- Default 19200bbs
- Power 15V +/- 10% at 2.5Amps
- Default Frequency be 924 MHz
- Frequency Range 902-928MHz
- Frequency Step Size 0.25MHz
- Output Power Range .2 to 1.2 watts

Full Specifications Available on request

## Ordering Information

Part Number: SG901-1079