

### Description:

The Model 2300-752 MPRR Panel Assembly provides seamless AEI integration with the SmartScanNG or SmartScanNG<sup>2</sup> system. The panel includes Transcore's® MPRR (Multiprotocol Rail Reader), a DC-DC converter (Input: 9-36VDC), a DB9 connector for serial communication, and surge arresters for the antenna outputs.

When an MPRR is connected to an NG<sup>2</sup> detector, car ID numbers are uniquely associated with the car records that are included in the Velocity generated S-9203A and S-9203B reports. In the event of a detected defect, the alarm announcements delivered on the radio will include the car ID with the defect information.

### How it Works:

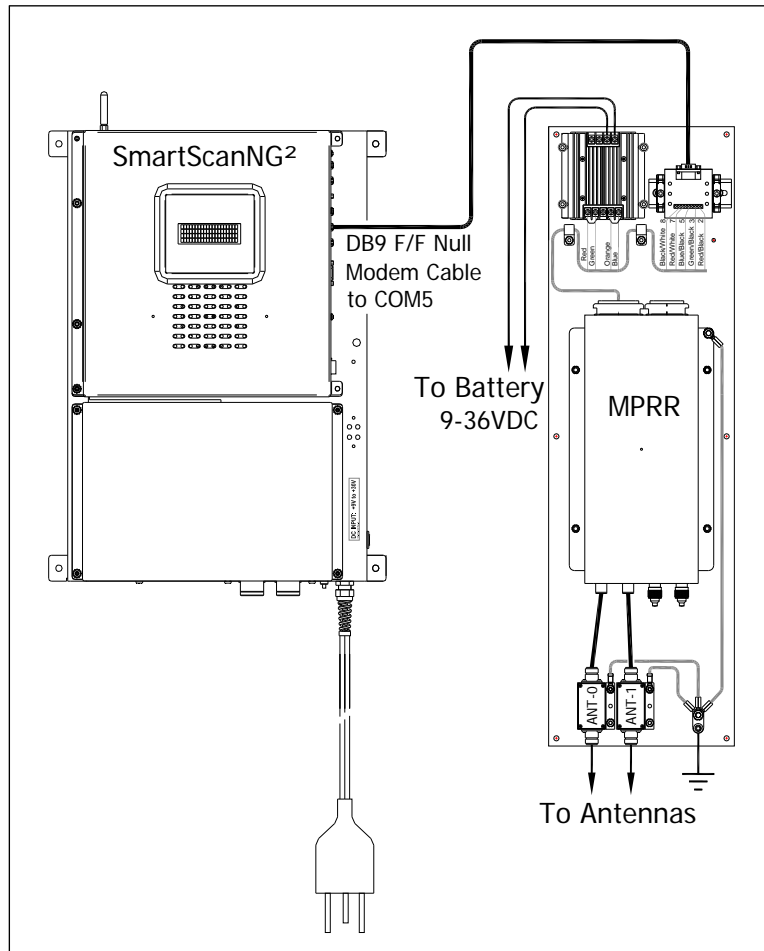
The MPRR generates an RF signal, which is broadcast through the railside antennae. As an RFID tag enters the read field, the tag adds its programmed identification information to the signal and reflects the signal back to the MPRR. The MPRR receives and decodes this modulated signal, then transmits the tag data to the NG<sup>2</sup> detector for processing.

## Equipment Licensing:

FCC: The user is required to obtain a Part 90 site license from the FCC to operate in the United States. Access the FCC website at [www.fcc.gov/Forms/Form601/601.html](http://www.fcc.gov/Forms/Form601/601.html).

FCC ID: FIHMPRX

## 2300-752 MPRR Panel Wiring:



## General Specifications:

Voltage Input	9-36 VDC @ 2A
Coaxial Surge Protectors	Bournes 1965-35-A00, 50 Ohm
Dimensions	9.00"W x 30.00"L x 2.75"H
Weight	10.25 lbs
Available Frequency Ranges	902-928MHz, Fixed Frequency
RF Connector	N-type Socket (single/4 port)
RF Interference	Tested and verified to RCC Part 15 rules for a Class A digital device.
Serial Communications	RS232 Interface, DB9M connector
Temperature Spec. - Industrial	-40°F to +158°F (-40°C to +70°C)