

MPRX

SINGLE PORT

ONBOARD RFID READER

AUTOMATIC IDENTIFICATION.
RELIABLE RFID PERFORMANCE.

The TransCore® MPRX Single Port Onboard RFID Reader (Model 10-7200-002) delivers best-in-class read range and accuracy in a compact, rugged design. Purpose-built for rail applications, the MPRX provides reliable automatic identification of railcars, locomotives and assets in the harshest onboard environments.



BUILT FOR HARSH RAIL ENVIRONMENTS

IP65/67 rated for dust and water ingress protection.



PROVEN PERFORMANCE

Advanced RFID technology for reliable read performance.



EASY TO INTEGRATE

Multiple interface options for seamless system integration.



WIDE TAG COMPATIBILITY

Reads AAR formatted tags using TransCore Super eGo® (SeGo) technology.



TRUSTED WORLDWIDE

Proven TransCore quality and reliability deployed around the globe.



SINGLE PORT SIMPLICITY

Single antenna port for dependable performance in onboard applications.



RUGGED.
RELIABLE.
BUILT TO LAST.

IDEAL FOR RAIL APPLICATIONS



RAILCAR IDENTIFICATION

Positive identification of railcars for accurate tracking and reporting.



LOCOMOTIVE IDENTIFICATION

Automatically identifies locomotives for operational visibility and safety.



INTERMODAL OPERATIONS

Streamline container and chassis tracking in intermodal terminals.



YARD MANAGEMENT

Improve yard visibility and efficiency with automated asset identification.



MAINTENANCE FACILITIES

Support maintenance workflows with reliable asset identification and history.



FUEL TRACKS

Secure and automate fueling operations with positive asset identification.

MPRX SINGLE PORT KEY FEATURES

- Single port reader supporting one antenna connection
- Reads all major UHF RFID tags
- Supports AAR formatted tags
- Utilizes TransCore Super eGo® (SeGo) RFID technology
- Reads full-frame and half-frame tags
- Adjustable RF output power (17 – 32 dBm)
- Multiple communications: Ethernet, RS-422 and RS-232
- Onboard +12 – 110 VDC (+24 – 110 VDC EN50155) power input
- Rugged IP65/67 rated enclosure
- Operating temperature –40°C to +70°C
- Designed for harsh onboard rail environments
- **Type Approved for AU**

TECHNICAL SPECIFICATIONS

Model	MPRX Single Port Onboard (10-7200-002)
Antenna Ports	1
Available Frequency	902 – 928 MHz (Fixed Frequency)
Protocols	ATA (ISO 10374), Super eGo® (SeGo), eGo (ISO 18000 6B), IAG
Typical Read Range*	3.7 – 5.2 m (12 – 17 ft)
Communications	Ethernet (10/100), RS-422, RS-232
Input Power	+12 – 110 VDC (+24 – 110 VDC EN50155)
RF Output Power	17 dBm – 32 dBm (Adjustable in 1 dB steps)
Enclosure	IP65/67 Rated (with appropriate connectors)
Operating Temp.	–40°C to +70°C
Dimensions (L x W x H)	33 x 7.62 x 6.32 cm (13 x 5 x 2.49 in)
Weight	2.6 kg (5.7 lb)

* Read range depends on tag type, antenna configuration and environment.

PART OF THE SENTINEL SMART ACCESS SOLUTIONS RANGE

Combine the MPRX Single Port Onboard Reader with TransCore® antennas, tags and software for a complete, future-ready RFID solution.



MPRX READER



ANTENNAS



RFID TAGS



SOFTWARE

READY TO OPTIMISE YOUR RAIL OPERATIONS?

Contact Sentinel Inspection Systems today to learn how the MPRX Single Port Onboard RFID Reader can work for you.



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