

MPRX

FOUR PORT

WAYSIDE RFID READER

AUTOMATIC IDENTIFICATION.
RELIABLE RFID PERFORMANCE.

The TransCore® MPRX Four Port Wayside RFID Reader (Model 10-7210-001) delivers best-in-class read range and accuracy in a compact, rugged design. Purpose-built for wayside applications, the MPRX provides reliable automatic identification of railcars, locomotives and assets in the toughest rail environments.



RUGGED.
RELIABLE.
BUILT TO LAST.



**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.

**FOUR PORT
FLEXIBILITY**
Multiplexes up to
four antennas for
maximum coverage
and performance.

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 FOUR PORT KEY FEATURES

- Four port reader supporting up to four antenna connections
- 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
- Wayside +12 – 110 VDC power input
- Rugged IP65/67 rated enclosure
- Operating temperature –40°C to +70°C
- Designed for demanding wayside rail environments
- Type Approved for AU

TECHNICAL SPECIFICATIONS

Model	MPRX Four Port Wayside (10-7210-001)
Antenna Ports	4 (multiplexed)
Available Frequency	902 – 928 MHz (Fixed Frequency)
Protocols	ATA (ISO 10374), Super eGo® (SeGo), eGo (ISO 18800 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 (Wayside)
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 Four Port Wayside Reader with TransCore® antennas, tags and software for a complete, future-ready RFID solution.



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READY TO OPTIMISE YOUR RAIL OPERATIONS?

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



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