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The RFID sensor reader enables long-range localization in both indoor and outdoor environments and is well suited for a variety of wireless applications including identification, tracking and localization of assets and personnel. This highly robust sensor reader operates as a standalone device only and does not require any wired backbone connection. It features real-time data collection and visibility with minimal human intervention and is easy to integrate. This device also features high speed localization which delivers instant identification as well as precise location of assets or personnel within a distance range of 1m (3ft). In addition, it is sealed with IP64 housing which allows outstanding performance even in the most challenging environments.



Key Features

- ✓ 2.4 GHz ISM operating frequency
- ✓ Compact size, light weight
- ✓ Up to 300 m (1000 ft) localization range
- ✓ High speed that allows 400 localizations per minute
- ✓ Industrial housing

Technical Specifications

Communication RTLS

Operation mode	Distance Measurement
Communication range	up to 300 m (1000ft)*
Compatibility	137005 RTLS series sensors
Operating frequency	2.4 GHz
Transmit power	<100mW or local regulations

Antennas

Localization (RTLS)	1 SMA connector for external antenna at 2.4 GHz
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Performance

Localization rate	Up to 400 sensors per read zone
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Interfaces

Data interface master/host	i-BUS (RS422)
Data interface slave	i-BUS (RS422) for cascading additional i-PORT M's
Status display	4 LED's (RTL, RUN, BUS, ERR)

Electrical

Power source	10 – 30 VDC
Power consumption	< 2 Watt

Environmental Conditions

Operating temperature	-30°C to +70°C (-22°F to +158°F)
Storage temperature	-40°C to +80°C (-40°F to +176°F)
Humidity	90% non-condensing

Standard/Certification

Europe	CE (EN 300 220-1, -3; EN 300 328, EN 301 489-1, -3; EN 60950)
North America	FCC Part 15 (US); Industry Canada

Mechanical Data

Dimensions	97 × 67 × 36 mm (3.8 × 2.6 × 1.4 inches) 153 × 67 × 36 mm incl. cover (6.0 × 2.6 × 1.4 inches)
Case Material	Plastic
Enclosure rating	IP 40; IP 64 with plastic cover
Weight	150 g (5.29 ounces)

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