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This RFID RTLS tag is well suited for a variety of wireless applications including identification, tracking and localization of high value assets and personal.

This tag transmits and receives data at distances of up to 250 m (800 feet).It also can be easily configured to beacon data at a configurable rate to a range of up to 500 m (1600 ft). Equipped with an LED, the tag provides visual recognition for "pick by light" applications. The light is visible from almost every direction.

Key Features

- ✓ Up to 300m(1000ft) localization range
- ✓ UHF operating frequencies
- ✓ Industrial housing
- ✓ Beacon communication mode
- ✓ Response communication mode
- ✓ LED
- ✓ Push button
- ✓ Extended battery lifetime

Applications

- ✓ Identification
- ✓ Tracking
- ✓ Localization of high value assets

Technical Specifications

Communication Broadcast 350	
Operation Mode	Transmits Sensor ID and user data in pre-defined interval
Read Range	up to 500m
Compatibility	227002, 227003, 227004
Operating Frequency	868 MHz (EU) or 920 MHz (NA)
Transmit Power	<1mW
Communication Response 350	
Operation Mode	Bi-directional communication (reading log, blink LED, write/readdata)
Read Range	up to 250m
Compatibility	227002, 227003, 227004
Operating Frequency	868 MHz (EU) or 920 MHz (NA)
Transmit Power	<1mW
Communication RTLS	
Operation Mode	Distance Measurement
Read Range	up to 300m
Compatibility	227004, 217009
Operating Frequency	2.4 GHz
Transmit Power	<100 mW
Electrical	
Power Source	Lithium Battery (replaceable)
Battery Monitoring	Yes
Data	
Data Retention	> 10 years without power
Write Cycles	100,000 writes

Memory Size	10,000 Bytes user definable
Identification Code	48 bit fixed ID
Environmental Conditions	
Operating Temperature	-40 °C to 85 °C (–40 °F to +185 °F)
Shock	Multiple drops to concrete from 1m (3ft), 3 times DIN IEC 68-2-27
Humidity	10% to 95% relative humidity at 30°C
Vibrations	3G, 20 sine wave cycles, 5 to 150 Hz, DIN IEC 68-2-6
	5G, noise 5 to 1.000 Hz, 30 minutes, DIN IEC 68-2-64
Configuration	
Device	227002, 227003, 227004
Ping Rate	Configurable from 0.5 to 300 seconds insteps of 0.5 seconds
Number of Bursts	Configurable from 0 to 15
Broadcast User Data	Up to 50 Bytes
Standard/Certification	
Europe	CE (EN 300 220-1, -3; EN 301 489-1,-3; EN 60950)
North America	FCC Part 15 (US); Industry Canada
Mechanical Data	
Dimensions	137 x 37.5 x 26.5 mm (5.4 x 1.48 x 1.04 in.)
Enclosure	Plastic
Weight	50g (1.75 ounces)
Enclosure rating	IP 65

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