

Operating at a frequency of 868 MHz (EU) or 920 MHz (NA), this reader transmits and receives data at distances of up to 500 meters.

This integrated RFID mobile reader enables highly accurate, real-time data collection with minimal human intervention in wireless applications including identification, tracking and localization of assets and personnel. Operating at a frequency of 868 MHz (EU) or 920 MHz (NA), this reader transmits and receives data at distances of up to 500 meters. It provides an anti-collision function which guarantees identification of thousands of sensors located concurrently within the interrogator's read zone. Its high rate of transmission allows communication even with rapidly-moving tags. When it is incorporated into the CF Card slot of a laptop, handheld or mobile computer, the highly sophisticated reader enables the seamless integration into advanced information systems. In addition, it comes with a software library package to allow quick development of user applications. Drivers for several different operating systems including Windows CE/9x/NT/2000/XP and Windows 7 are also included.



Key Features

- ✓ For flexible and hardware-independent use
- ✓ Communication with response sensors
- ✓ Collecting data from beacon sensors
- ✓ 2000 sensors can be identified simultaneously.
- ✓ Drivers for different operating systems
- ✓ Integrates easily into existing handheld or mobile computers with CF interface
- ✓ Communicates with all 137004, 137005, 137006 sensors

Technical Specifications

Communication Broadcast	
Operation mode	Receiving sensors ID's and data
Read range	Up to 500m (1600ft)*
Compatibility	137004, 137005,137006 series of sensors
Operating frequency	868 MHz (EU) or 920 MHz (NA)
Communication Response	
Response mode	Bi-directional communication (reading log, blink LED, write/read data)
Communication range	up to 250m (800ft)*
Compatibility	137004, 137005,137006 series of sensors
Operating frequency	868 MHz (EU) or 920 MHz (NA)
Transmit power	< 1mW
Antennas	
Broadcast/Response	1 MMCX connector for external antenna at 868 (EU) or 920 MHz (NA)
Performance	
Multiple sensor handling (Response)	Up to 500 sensors per read zone
Interfaces	
Data interface master/host	CF Type 1
Electrical	
Power source	Dual 3.3 V and 5 V
Power consumption	< 250 mW (50mA)
Environmental Conditions	
Operating temperature	-20 °C to +60 °C (-4 °F to +140 °F)

Storage temperature	-40 °C to +80 °C (-40 °F to +176 °F)
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	55 × 43 × 3.3/6 mm (2.2 × 1.7 × 0.13/0.24 in.)
Enclosure material	ABS / Metal
Weight	15 grams (0.52 ounces)

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