

## READ 868 MHz active IRE 350-CF Card Reader



### Product description:

- The IRE 350-CF Card Reader is an interrogator for intelligent long range Tags in a CF card format.
- It provides highly accurate, real-time data collection with minimal human intervention in wireless applications such as: identification, tracking & tracing and localization of assets or personnel.
- Using advanced UHF radio frequency technology, the IRE 350-CF Card transmits and receives data at distances of up to 500 meters. The unique, highly sophisticated anti-collision algorithm guarantees identification of thousands of Tags located concurrently within the interrogator's read zone. The high rate of transmission allows communication even with rapidly-moving Tags.
- The IRE 350-CF Card comes with a software library package to allow quick development of user applications. Drivers for several different operating systems like Windows CE/9x/NT/2000/XP and Linux are included.
- The built-in software features allow various functions such as: communication with the UHF Tags with integrated temperature sensor (E4000.000275+276), data processing and firmware update from the CF interface.

### Features & Benefits:

- Communication with response tags → The IRE 350-CF Card offers the ability to adjust the read/write range with the active UHF Tags E4000.000275+276 from a range of <1m up to 250m.
- Collecting data from beacon tags → The IRE 350-CF Card can detect the broadcast messages of these tags from a distance of up to 500m.
- 2000-Tags simultaneous identification → Large numbers of Tags can be identified virtually simultaneously.
- Drivers for different operating systems → Flexible and hardware-independent use.
- CF interface → Integrates easily into existing handheld or mobile computers.
- European and North American versions

<u>Technical Specification:</u>	
<u>Performance</u>	
Response read/write range:	Up to 250m @ free air *
Broadcast read range:	Up to 500m @ free air *
Simultaneous identification:	Up to 2000 Tags
<u>Communication:</u>	
Frequency:	868 MHz (EU), 919/920/921 MHz (NA)
Certification:	EN 300 220 (EU, pending), FCC part15 (US), Industry Canada
Response communication rate:	19.200 – 115.200 kbits/s
Number of antennas:	1
Antenna connection:	SMA
Transmit power:	≤ 10 mW/+10 dBm, depending on national regulations, software adjustable
Transmission safeguard:	16 Bit CRC
Sensitivity:	-100 dBm, depending on data rate
Drivers:	Drivers for different operating systems (Windows CE/Win9x/NT/2000/XP & Linux)
<u>User Interfaces</u>	
Parallel interface:	CF Type 1
Number of status indicators:	1 LED, bi-color
<u>Electrical</u>	
Input power:	Dual 3.3 V & 5 V
Power consumption:	≤ 250 mW (50 mA)
Standards / Safety:	CE and EN 300 220
<u>Environmental</u>	
Operating temperature:	-20°C to +60°C
Storage temperature:	-40°C to +80°C
Humidity:	90% non-condensing
<u>Physical</u>	
Dimensions:	Standard Type CF Card: 55 x 43 x x3,3/6 mm
Enclosure:	ABS / Metal
Weight:	15 g
<u>Order No.:</u>	
E4002.000122	READ 868 MHz active IRE 350-CF Card Reader

\* The communication range depends on the antenna type, the antenna cable runs and the environmental conditions.