i-CARD CF 350
MOBILE READER

IDENTEC SOLUTIONS

RFID GLOBAL by SOFTWORK

The i-CARD CF-350 interrogator enables high speed real-time data collection, even with rapidly moving sensors. The result is information, where and whenever it is needed.

SensorSMART enables highly accurate, real-time data collection with minimal human intervention in wireless applications including:

- Identification
- Tracking
- Localization of assets and personnel.

Using advanced UHF radio frequency technology, the i-CARD CF 350 transmits and receives data at distances of up to 500 meters (1600 ft). The unique, highly sophisticated anti-collision algorithm guarantees identification of thousands of sensors located concurrently within the interrogator's read zone.

When it is incorporated into the CF Card slot of a laptop, handheld or mobile computer, the i-CARD CF 350 enables the seamless integration into advanced information systems. Its high rate of trans-mission allows communication even with rapidly-moving sensors.

The i-CARD CF 350 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 Windows 7 are also included.

The built-in software features enables various functions such as;

- Communication with ILR 350 sensors
- Data processing
- Firmware update from the CF interface

The feature-rich i-CARD CF 350, combined with other IDENTEC SOLUTIONS' SensorSMART system components, offers a leading-edge wireless, automated data collection tool that is easily integrated into advanced information systems.

BENEFITS

- **Communication with response sensors.**
  The i-CARD CF 350 offers the ability to adjust the read/write range with i-Q350 sensors from a range of < 1 meter (3 feet) up to 250 m (800 ft).

- **Collecting data from beacon sensors.**
  The i-CARD CF 350 can detect the broad cast messages of i-Q350 and i-B350 sensors from a distance of up to 500 m (1600 ft).

- **2000-sensor simultaneous identification.**
  Large numbers of sensors can be identiied virtually simultaneously.

- **Drivers for different operating systems.**
  Flexible and hardware-independent use

- **CF interface.**
  Integrates easily into existing handheld or mobile computers

- **Communicates with all i-Q350 and i-B350 sensors.**

FEATURES

- Communication with response sensors
- Collecting data from beacon sensors
- 2000-sensor simultaneous identification
- Drivers for different operating systems
- CF interface
- Communicates with all i-Q350 and i-B350 sensors

IDENTEC SOLUTIONS delivers innovative wireless sensor technology and systems that are helping transform the way businesses manage industrial processes and safeguard lives.

Committed to developing industry-leading, low power and long-range sensor based solutions, IDENTEC SOLUTIONS' SensorSMART networks have been setting the industry standard since 1999.

Currently deployed on every continent throughout the globe in the Ports & Terminals, Oil & Gas, Tunnel & Mining, and Government & Defense industries as well as sought out by the world's leading system integrators and governments; IDENTEC SOLUTIONS patented technology is helping to optimize productivity in some of the continent's most challenging situations. Robust, flexible and powerful IDENTEC SOLUTIONS technology delivers when others cannot.

IDENTEC SOLUTIONS is privately held, with its corporate office located in Lustenau, Austria, and North American headquarters in Dallas, Texas, along with service centers in Germany, Australia and Norway. For more information, please visit www.identecsolutions.com.

WARNING: Changes or modifications not expressly approved by manufacturer could void the user's authority to operate the equipment. Contents subject to change without notice.

TECHNICAL SPECIFICATIONS

Communication Broadcast 350

Operation mode	Receiving sensors ID's and data
Read range	Up to 500m (1600ft)*
Compatibility	i-B350 and Q350 series of sensors
Operating frequency	868 MHz (EU) or 920 MHz (NA)

Communication Response 350

Response mode	Bi-directional communication (reading log, blink LED, write/read data)
Communication range	up to 250m (800ft)*
Compatibility	i-Q350 series of sensors
Operating frequency	868 MHz (EU) or 920 MHz (NA)
Transmit power	< 1mW

Atennas

Broadcast/Response (350)	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)

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