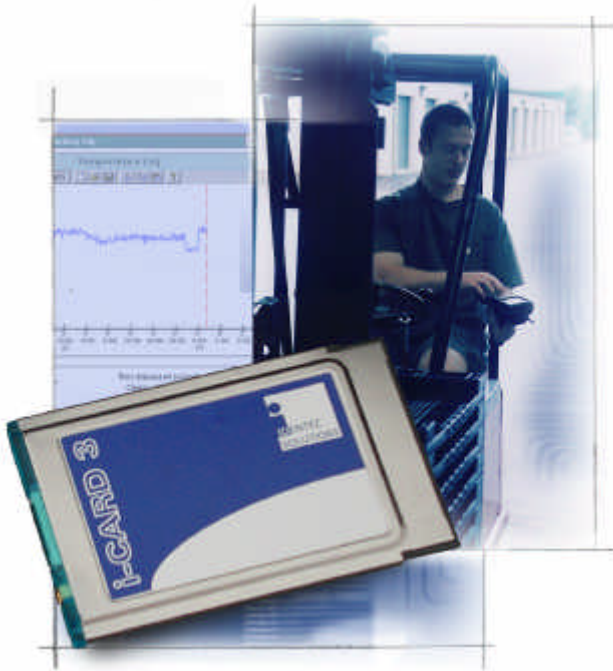


PC Card UHF Interrogator i-CARD III



Linux or PALM are available.

The built-in software features allow various functions such as:

- communication with ILR[®] tags (i-Q and i-D tags)
- data processing
- firmware update from the PCMCIA- or serial Interface

The feature-rich i-CARD III, combined with other IDEN TEC SOLUTIONS ILR[®] system components, offers a leading-edge wireless, automated data-collection tool that is easily integrated into advanced information systems.

Features

- Adjustable output power
- 100-tags/s identification rate
- 2,000-tags simultaneous identification
- Drivers for different operating systems
- PCMCIA interface
- Serial interface

Benefits

- Read / write range is tunable up to 10 meters (i-Q tag) and up to 3 meters (i-D tag)
- Provides reliable identification of fast-moving objects.
- Large numbers of tags can be identified virtually simultaneously.
- Flexible and hardware independent use.
- Integrates easily into existing handheld or mobile computers.
- For serial integration into other devices.

The i-CARD III is the successful version of IDEN TEC SOLUTIONS' Intelligent Long Range[®] (ILR[®]) interrogator on a PCMCIA card. ILR[®] provides highly accurate, real-time data collection with minimal human intervention in wireless applications such as:

- Identification
- Tracking and Tracing and
- Localization

of assets or people.

Using advanced UHF radio frequency technology, the i-CARD III transmits and receives data at distances of up to 10 meters (30 ft) from an i-Q tag and up to 3 meters (10ft) from an i-D2 tag.

The unique, highly sophisticated anti-collision multi-tag-handling algorithm allows communication to tags even when thousands of tags are within the interrogator's read zone. By integrating the i-CARD III into the PC Card slot of a laptop, handheld or mobile computer, the i-CARD III allows the seamless integration of i-Q and i-D tag information into industry- standard tools. The result is real time information, where and when it is needed.

The i-CARD III comes with a software library package to allow quick development of user applications. Several drivers for different operating systems like Windows CE/98/NT/2000,

IDEN TEC SOLUTIONS

IDEN TEC SOLUTIONS is a leading global supplier of innovative RFID systems (Radio Frequency Identification) with communication ranges of up to 100 meters.

With its unique Intelligent Long Range® (ILR®) technology, IDEN TEC SOLUTIONS offers innovative and economical solutions for automated data gathering, identification, tracking and localization of objects.

ILR® technology makes it possible to ensure that the right goods, in the right amounts, in the right condition, with the right information are located at the right place at the right time, leading to increased efficiency and quality improvements in Production, Logistics and Supply Chain Management.

To learn more about how ILR® technology can increase efficiency of your business, contact IDEN TEC SOLUTIONS or visit our website at www.identecsolutions.com.

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"IDEN TEC SOLUTIONS", "Intelligent Long Range", "ILR", "i-LINKS", "i-Q", "i-D", "i-CARD", "i-PORT", "Solutions. It's in our name." and the stylized "i" are trademarks or registered trademarks of IDEN TEC SOLUTIONS, Inc. and/or IDEN TEC SOLUTIONS AG.

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Version 5.23

Technical Specifications

Compatibility	ILR® i-Q tags and ILR® i-D tags.
Performance	
Read/write range (adjustable)	10 m (32.8 ft) with i-Q tag
Read/write range (adjustable)	3 m (10 ft) with i-D tag
Max. response time	< 150 ms
Read rate – ID only	100 tags/s
Read rate – 128 bit data	35 tags/s
Multiple tag handling	Up to 2,000 tags in the read zone
Communication	
Frequency	868 MHz Band (EU) 916 MHz Band (NA)
Certification	EN 300 220 (EC); FCC part 15 (US); Industry Canada
Data rate (download to tag)	38.4 kBit/s, 115.2 kBit/s
Data rate (uplink to reader)	115.2 kBit/s
Number of antennas	1
Output power	max. 26 dBm
Sensitivity	-85 dBm (High sens), -55dBm (Low sens)
CPU	
Operating system	Drivers for different operating systems (Windows CE, Win9x,NT/2000/Linux/PALM)
Program memory	2 MB Flash
User Interfaces	
Parallel interface	PCMCIA
Option serial interface	RS-232, JTAG
Number of status indications	3 LEDs
Electrical	
Input power	5 V DC +/-5%
Power consumption	= 1500 mW
Standards / Safety	CE and EN 300 220
Environmental	
Operating temperature	-20°C to +60°C (-4°F to +140°F)
Storage temperature	-40°C to +80°C (-40°F to +176°F)
Humidity	90% non-condensing
Physical	
Dimensions	Standard Type II PC Card (86 mm x54 mm x 5mm) (3.38 in. x 2.12 in. x 0.19 in.)
Enclosure	Metal
Weight	35 grams (1.24 oz)

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