

RFID Sensor Systems

Sensing, Tracking, and Data Logging

1003 Economy Gen2 RFID Handheld Reader/Interrogator



The RFID Sensor Systems RFID handheld reader is an economical device with keypad, display, and USB interface for reading and writing of EPC global ISO 18000-6c Gen2-compatible tags. The economical value of the I003 also makes it highly desirable for many stationary applications. Based on the best-in-class RFID systems module, I003 interrogator interfaces through a USB bus to any convenient PC. The I003 reader is compatible with RFID Sensor's application tools including MS Excel. A key feature of provided application tools is the RFID Internet Assistant which provides access to handheld and PC application files through an onsite LAN. RFID Sensor Systems is pleased to assist clients in customizing the I003 handheld reader into specific applications including interfacing further into the internet and adding Lab View applications.

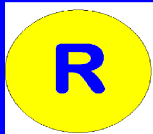
RFID Sensor Systems has an excellent capability to customize the I003 economy reader into specific customer applications such as production line monitoring, doorway or portal tracking, mobile drive-by monitoring of tags, handheld inventory status and encoding, along with jillions of other cost effective applications, RFID Sensor systems invites you to discuss applications with our knowledgeable headquarters engineering sales team.



I003 Specification Summary

Features

Read Range:	Up to 50 feet (15.2m) with RFID Sensor Systems tags and 6 db patch antennas
Read Rate:	Up to 600 tags/sec
LCD Display:	80 characters
Keyboard:	20 keys
Alert Feature	Buzzer
Ruggedized	Drop test on concrete 1m
RF Power Output:	30 dBm adjustable dBm steps
RFID Protocol:	EPC global Gen2 Class1 (ISO 18000-6c) with anti-collision.
Sensor tag compatibility	All EPC 18000-6c with anti-collision.
Frequency:	902 - 928 NA + SA, 865.7- 867.6 EU, 865 - 867 India, 902-907.5 Brazil, 920-926 MHz Australia
Data Interface:	USB
User NV memory	206 KB
Tag EPC memory:	10,000 tags
Dimension:	170 x 113 x 40 mm
Antenna options:	6dB gain external (standard; 3db gain internal optional)
Regulatory:	FCC 47 CFR Ch1 Part15 Industry Canada RSS-210
Operating Temperature:	-20 to 60°C
Storage Temperature:	-40 to 85°C
Rechargeable battery life:	3 hours (670mA)
Antenna options:	(a) 6 dBm enhanced range (b) Miniature antenna



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