R1093 IC-USB reader



Introduction:

R1093 is a high performance 13.56Mhz RFID reader without driver, which is based on ISO15693 International standard protocols. Reader distance up to 80mm, it's not only simple aspect, but also stable and reliable data. Widely used for RFID Radio Frequency Identification system and project, Such as Automated parking management system, Personal identification, Access controller, Production Access control, etc

Basic parameters:

project	parameter
Model	R1093(HF-15693 protocols Reader)
Frequency	13.56Mhz
Support cards	I-CODE 2 (15693 protocols).
Output format	10-digit dec (Defoult output format) (Allow user to customize the output format)
Size	110mm×80mm×26mm
Colour	Black
Interface	USB interfaces, emulate RS232 UART
Power Supply	DC 5V
Operating Distance	0mm-100mm (related to the card & the environment)
Service Temperature	-10℃ ~ +70℃
Store Temperature	-20℃ ~ +80℃
Working humidity	<90%
Read time	<200ms
Read interval	＜0.5S
Weight	About 160G
Cable length	1450mm
Material of reader	ABS
Operating System	Win XP\Win CE\Win 7\Win 10\LIUNX\Vista\Android
Indicators	Double Color LED (Red & Green) and Buzzer ("Red" means standby, "Green" means reader success)

Usage and precautions：

1. Method of installation and use

- Connect with computer through USB interface directly. When the buzzer sounded, reader into the self-inspection. And the same time, LED turn into red means standby.
- Open the output of computer software, such as Notepad\a word document or Excel sheets.
- The mouse in Notepad or WORD document clicking.
- Put tag on the top of reader, the software will output a data (card number) of the tag. When reading the tag, LED light change from red to green.

2. Precautions

- Do not install the reader on the magnetic objects and metal objects, they will seriously affect the RF signal.
- If after reading, the tag is still in the induction zone, the RF reader will not send data and without any hints.

3. Common problems

- Operation without feedback: Please check whether the interface plugged in, whether the tag is a valid or whether another RF tag is within the reading range.
- Data error: Please check Whether the mouse is moved, whether the reader is in a critical state and whether the cable length is too long.