R30D ID-USB Reader

Introduction:

R30D is a high performance 125Khz RFID smart card Desktop reader without driver, 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	R30D (LF-ID Reader)
Frequency	125Khz
Support cards	Em4100, TK4100, SMC4001 and compatible card
Output format	10-digit dec (Defoult output format) (Allow user to customize the output format)
Size	104mm×68mm×10mm
Colour	Black
Interface	USB
Power Supply	DC 5V
Operating Distance	0mm-100mm (related to the card or the environment)
Service Temperature	-10℃ ~ +70℃
Store Temperature	-20℃ ~ +80℃
Working humidity	<90%
Read time	<200ms
Read interval	＜0.5S
Weight	About 140G
Cable length	1400mm
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. How to use/install

①Connect one end of the data line to the corresponding interface of the computer, and the other end to the communication port of the card reader, the card reader will enter the self-test and initialization with a beep;

②When the indicator light of the card reader is "blue", it indicates that the card reader enters the state of waiting for card swiping.

Note: Test the method of reading the label by the card reader: open the output software of the computer (such as editors such as Notepad\WORD\EXCEL), put the card close to the card reader, and the label card number will be displayed at the cursor of the output software.

2. Check the method of connecting the card reader to the computer

The card reader enters the card swiping state, open the computer "device manager", check whether there is an ergonomic input device in the option menu, if it does, it indicates that the device has been successfully connected to the computer.

3.Precautions and simple troubleshooting

- If you plug the data cable directly into the charging plug, the card reading will fail.
- There are many factors that affect the card reading distance. Different protocols, different antenna designs, surrounding environments (mainly metal objects) and different cards will affect the actual card reading distance.
- If the reading distance of the card reader is too long, it will cause the card reading to be unstable or fail. Avoid reading the card in a critical state (the distance just to be able to read the card). At the same time, two readers that are too close will interfere with each other.
- The way of reading the card, it is recommended to use the card directly facing the card reader and approach it naturally. The card reading method that quickly swipes the card from the side is not advisable and does not guarantee the success of the card swipe.
- It is recommended not to operate the mouse when swiping the card to avoid data transmission errors.
- The length of the communication cable between the card reader and the computer should be less than 15 meters.
- No response when swiping the card: Whether the interface is inserted properly; whether the radio frequency card is the corresponding RFID card; whether the radio frequency card is broken; whether another radio frequency card is in the card reading range.
- Data transmission error: whether the mouse is operated when swiping the card; whether the card is read in an environment with strong electromagnetic field interference; whether the communication cable between the reader and the computer is too long; whether the card is read in a critical state.