UR10R UHF Card Issuer

Product Instruction

Product Overview

UR10R UHF card issuer which can read data for User Area and EPC Area of UHF tags. Combined with UHF non-contact radio frequency circuits and various coding and decoding algorithms, this card issuer can read the labels and cards which support EPC global UHF Class1 Gen 2 and ISO18000-6C standard. Lt' s USB interface adopts the advanced plug and play interface without driver core technology to connect computer and other equipment.
The card issuer control chip is provided with a watchdog and a voltage detection circuit, and has the advantage of stable reading performance.

Features

- Wiegand 26 output(Default); Wiegand 34 (Optional)
- USB power supply, no drive
- With antenna, active card search mode
- Data Reception Time: less than 90ms
- USB data format output

Specifications

Parameter	Description
Model	UR10R-1E、UR10R-1F
Support Card	UHF Tags, UHF Cards
Frequency Band	920MHz-925 MHz
Reading Distance	20~40CM Effective distance is related to card reading environment and tags
Protocol	EPC global UHF Class1 Gen 2, ISO 18000-6C
Communication Interface	USB analog keyboard output
Support Working	UR10R-1E :Supporting Europe standard UHF reader UR10R-1F :Supporting American standard UHF reader
Working Voltage	DC 5V（±4%）
Working Current	50~300mA
Working Temperature	-10℃~+50℃

Storage Temperature	-20℃~+80℃
Product Size	107mmx107mmx23mm(±1mm) (wire length: 1500mm)

DEMO Configuration

Via the demo, user can set Read Area, output Format, Wiegand Output bytes parameters for card issuer, also can read data information of UHF cards.

Notes

1. The demo can read EPC Area and User Area data of UHF card.
2. After the DEMO settings are completed, disconnect the demo, then you need to wait for 1s to use the text or document to obtain data.
3. In order to prevent duplication of reading card, you should leave the card area about 1s to swipe again.
4. Reading card successfully once, the prop tone alarms once and flashing green light.
5. Opening any text or taking a typewriting window as the current window, the cards number will be displayed in the window.
6. When the power is on, the buzzer rings about 400ms, while swiping cards, the buzzer rings about 200ms.

7. The card issuer outputs the EPC byte. (TID/USER (initial address) implemented later in the upgrade.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part

15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Warning Statements:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.