

## Sample Specification

**Product name :** Card Reader

**Model :** ACR-CRM11

**Original Model :** ACR-CRM11

**Part Number :** R03050003633

**Specification :** ID/IC Reader / Wiegand26/34 / USB 133.3mm\*53.3mm\*  
18.3mm Cable Length 374±10mm

**Sample date :** 2024.10.30

**Sample QTY :**

|                       |              |        |          |
|-----------------------|--------------|--------|----------|
| Supplier Confirmation | Codification | Audits | Approval |
|                       |              |        |          |
| Customer Confirmation | Inspection   | Audits | Approval |
|                       |              |        |          |

## ACR-CRM11

### 1. Introduction

#### 1.1 Basic features :

- Supports ID, S50, S70, CPU, Desfire and other cards
- Supports WG communication
- Support upgrade function
- Frequency: 13.56MHz 125KHz
- Waterproof rating: IP65
- Certification standard: CE/FCC certification

#### 1. 2 Areas of application

Widely used in access control, time and attendance, charging, anti-theft, patrol and other various RFID applications.

### 2. Product Appearance



## 3. Technical Parameters

| Feature                  | Description                                                           |
|--------------------------|-----------------------------------------------------------------------|
| Product Model            | ACR-CRM11                                                             |
| Size                     | 101mm*45.2mm*18.3mmmm( $\pm 0.3$ mm)                                  |
| Cable Length             | 374 $\pm$ 10mm                                                        |
| Support Card             | 125KHz ID card, S50, S70, CPU, Desfire                                |
| Frequency                | 13.56MHz & 125KHz                                                     |
| Power Supply             | DC 12V ( $\pm 5\%$ )                                                  |
| Current consumption      | Standby current not more than 80mA, swipe current not more than 200mA |
| Communication Interface  | WG                                                                    |
| Firmware Version         | V1.05                                                                 |
| Hardware version         | V1.00                                                                 |
| Operating Temperature    | -20°C ~ 60°C                                                          |
| Storage Temperature      | -40°C ~ 80°C                                                          |
| Relative Humidity        | 20% ~ 80% non-condensing                                              |
| Electrostatic parameters | Contact 4kv, Air 8kv                                                  |
| Protection class         | IP65                                                                  |

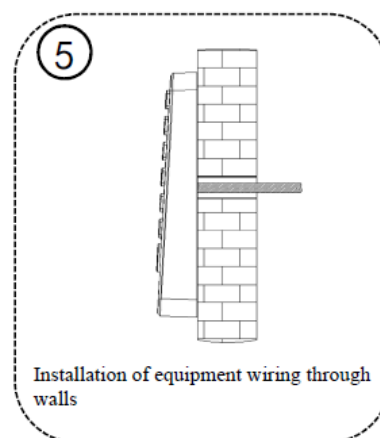
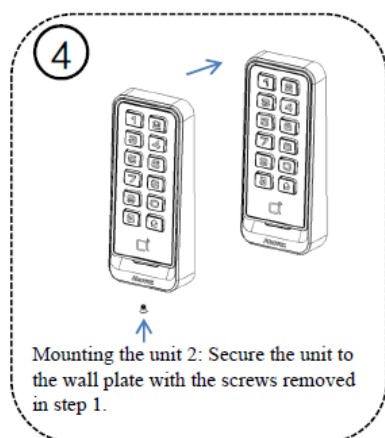
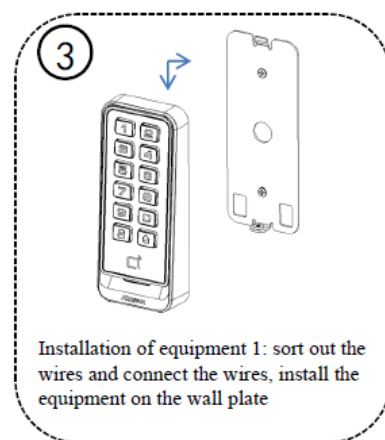
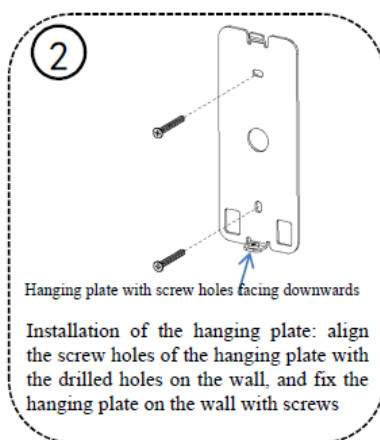
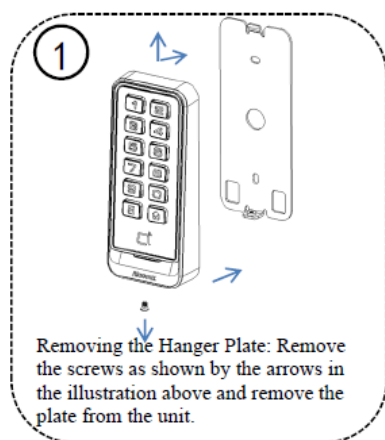
## 4. Read card range

| No. | Card Type                  | Range standard                                | Noted                                                                                                |
|-----|----------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------|
| 1   | TK4100 Thin card           | Environment: Machine with metal frame 0-3.0cm | Remarks: 0~L (L $\geq$ Lcm)<br>(non-metallic environment,<br>center of card and center of<br>reader) |
| 2   | TK4100 Thick card          | 0-2.5cm                                       |                                                                                                      |
| 3   | EM4200 Thcik card          | 0-6.0 (Repeated swipes above 6.0)             |                                                                                                      |
| 4   | ID Keychain                | 0-2.0cm (Repeated swipes above 6.0)           |                                                                                                      |
| 5   | ID+MF Composite card       | MF card:0-5.0cm / ID card : 0-2.5cm           |                                                                                                      |
| 6   | S50 card                   | 0-6.0cm                                       |                                                                                                      |
| 7   | S70 card                   | 0-5.0cm                                       |                                                                                                      |
| 8   | CPU card                   | 0-4.0cm                                       |                                                                                                      |
| 9   | CPU Composite card(CPU+MF) | 0-5.0cm                                       |                                                                                                      |
| 10  | Desfire Card               | 0-3.5cm                                       |                                                                                                      |
| 11  | MF7 byte card              | 0-5.0cm                                       |                                                                                                      |
| 12  | Ntag card                  | 0-5.5cm                                       |                                                                                                      |
| 13  | Utraight card              | 0-5.5cm                                       |                                                                                                      |
| 14  | MF plus                    | 0-4.0cm                                       |                                                                                                      |
| 15  | IC Keychain                | 0-2.0cm                                       |                                                                                                      |

## 5. Wiring function description

| Wire Color | Wiring name | Wiring Instructions             |
|------------|-------------|---------------------------------|
| Red        | 12V         | Input Voltage                   |
| Black      | GND         | Power Ground                    |
| White      | D1          | Wiegand D1                      |
| Green      | D0          | Wiegand D0                      |
| Purple     | BUZ         | Buzzer                          |
| Gray       | GLED        | Green light                     |
| Yellow     | GND         | Power Ground                    |
| Blue       | GND         | Power Ground                    |
| Orange     | USER        | Ground Restore Factory Settings |

## 6. Installation description

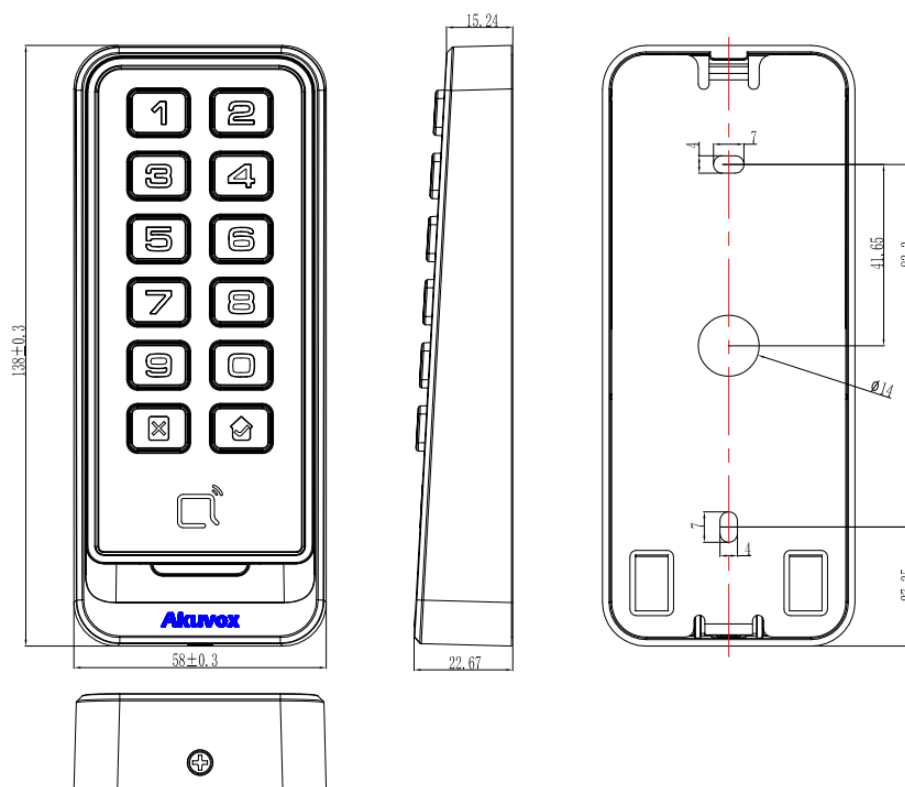


## 7. External Dimensions

R376XW(有Akuvox LOGO)机械按键高端产品读卡器 外形图

单位: mm (毫米)

比例: 1/1



## 8. Packaging

| No.         | Size                                                                                                            | Weight g (including package material) (error $\pm 20$ g) | Material included                                              |
|-------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|
| Packing box | 190mm110mm58mm/ 300G<br>Gray Card White+Matte Glue+A9<br>Reinforced Pit White Box<br>Without Printing/with ROHS | 378g                                                     | Insert 1PCS<br>Read 1PCS<br>Screws 2PCS<br>Expansion tube 2PCS |
| Outer box   | 483*305*225mm<br>534g                                                                                           | 50*378+534=19434g                                        |                                                                |

## Declaration of Environmental Conformity

This enterprise makes the following solemn declaration on the products provided:

1. This product complies with GB/T 26572-2011 “Limited Requirements for Restricted Substances in Electrical and Electronic Products” and the exceptions of restricted substances stipulated by the state.
2. This product complies with GB/T 26125-2011 “Testing Methods for Six Restricted Substances in Electrical and Electronic Products”.
3. This product complies with SJ/T 11364-2014 “Requirements for Labeling of Restricted Use of Hazardous Substances in Electrical and Electronic Products”.

#### 4. Product Description:

| No. | P/N | Product Model | Noted |
|-----|-----|---------------|-------|
| 1   |     | ACR-CRP11     |       |

Shenzhen Radio Tehcnology Co., Ltd

6<sup>th</sup> Nov, 2024

## FCC WARNING

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.

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

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.