

# RFID Card Reader User Manual

## Specification:

Working Voltage: DC 9V-16V  
 Static Current:  $\leq 80\text{mA}$   
 Reading Range: EM  $\leq 12\text{cm}$  Mifare  $\leq 5\text{cm}$   
 Card Type : EM-ID, M1 card, 15693 card,  
 and 1443A, 1443B, etc.  
 Ambient Temperature:  $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$   
 Ambient Humidity: 10% ~ 90%  
 International Standard Wiegand Interface, RS485, RS232  
 Communication distance: WG26/34  $\leq 100\text{M}$ ,  
 RS485  $\leq 1000\text{M}$ , RS232  $\leq 10\text{M}$

## Installation:

Using "+" type screw driver to loosen the screw between the panel and motherboard. And then embed the motherboard to the side wall with the plastic plug and screws.

## Wire Connection:

WG26/34	RS485	RS232
Red DC 9V-16V	Red DC 9V-16V	Red DC 9V-16V
Black GND	Black GND	Black GND
Green D0	Green 4R+	
White D1	White 4R-	White TX
Blue LED		
Yellow BEEP		
Gray 26/34		
Orange Ring		
Brown Ring		

## Notice

1. Confirm the electric voltage (DC 9V-16V) and differentiate positive anode and cathode of power supply.
2. When external power is used, suggest to use same power GND with controller panel.
3. The wire connects reader to controller, advise use 8 cores stranded twisted pair cable (among them, three strands are spare, if no need reader show illegal cards by sound and light, LED wire can not be used, data wire Data1 Data0 are twisted pair would be better, we suggest sectional area are 0.22 square millimeter at least. The length should not exceed 100meters. Shielded wire connect to GND, over striking and double strand cable will improve reader working performance. (or adopting multi core stranded AVAYA.)

## Accessories:

User Manual: 1 pcs  
 RFID Card: 1 pcs

## Warranty description:

1. The products are free warranty for one year, where the quality problem during the warranty period, with the card for free (The non-artificial damage), life-long maintenance.
  2. Due to the improper use or other reasons as well as the breakdown products which warranty period has expired, Based on this card repair, repair free of charge, only charge the cost components, manufacturers do not bear the repair products return freight.
- The following are not free warranty:
1. Opened the machines replace the originals without authorization, tearing up the date label.
  2. Due to fires, floods, lightning strikes and other natural disasters or human irresistible factors damage.

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Quality Confirmation Q.C



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