

## QR Code Access Control Device



### Features

1. Embedded multitasking real-time operating system, system can be fully activated with 3 seconds.
2. Single-door access control + 2d code scanner engine + the second generation ID card reader three in one card products. Make site installation and maintenance become simple with lower cost.
3. The product has Wiegand 26/ 34 output, when the product is used as a 2d code reader, which can make the traditional access control, ladder control, yard products, own the 2d code access function immediately without changing the main controller. And can access legally when it must comply with the rules of the 2d code so that the traditional access control, ladder control and yard products have a real CPU system security level at once and reduce system costs greatly.
4. The product has 2-channel relay output, in addition to 1 channel to control the

door lock, other 1 channel to control the door opener, lights, players, valves and so on.

5. The product has voice amplifier and speakers whose commonly used access incidents can be set, the network control play nearly 150 voices that can be customized.

6. Meet the agreed rules of the encrypted 2d code, in the case of no network, you can open the door or barrier directly.

The agreement rule mainly includes: 1) the effective start time and end time of the 2d code; 2) the effective number of the 2d code, the 2d code can not be used any more if exceeds the usage times; 3) device MAC matched or project number building number matched, a 2d code can contain one or more device numbers and be valid on multiple devices; 4) 2d code encryption keys can be modified without leaving any back door Or loopholes to ensure 2d code security.

7. Common parameters such as network IP parameters, lock delay, Wiegand 26/34, etc., can be set directly through the 2d code to make on-site debugging easier.

8. Equipment capacity: card 35,000 pieces, record 50,000 pieces, 2d code times 100,000, records and 2d code times are automatically looped over capacity.

9. The product uses the battery-free clock to maintain the circuit, eliminating the need to replace the battery regularly as well as express delivery troubles without batteries.

10. The product uses the data memory and the ferroelectric memory, even if the device suddenly power-down, it will not lose the stored data to ensure data safe and

reliable.

11. Products can identify M1 card, second-generation ID card, CPU card, UltraLight, SR176, SRIX4K card number.

12. Network transmission standard for RJ45 10 / 100M TCP / IP transmission, extendable WIFI transmission or mobile phone Bluetooth transmission

13. Support for connections cross-gateway or cross-segment TCP/IP network, and the controller can adapt automatically under direct-connect network cable or crossover cable .

14. Built-in dual hardware anti-crash watchdog, even if the chip operation appear abnormalities, it can be restored in time, which does not affect the use.

15. Supports TCP/IP remote IAP upgrade. If there is a change in requirements, it can upgraded directly through network to be completed after the program modified.

16. Can be expanded to be installed WiFi module, it can make 2d code be transmitted to wireless network by WiF, WiFi module supports AP and STA dual mode.

17. Can be expanded to installed Bluetooth module to let products communicate with mobile phone Bluetooth to achieve other functions such as shake to open the door.

18. Integrated Development Package Docking DEMO Language: JAVA, C#, C++, etc.

## **2D Code Engine Component Parameters**

1. Image Sensor: 752X480 ;

2. Light Source: White LED

3. Symbologies

2D: PDF417, QR CODE, DATA MATRIX, Support reading screen and printed code.

1D: CODE 128, UCC/EAN-128, AIM-128, EAN-8 etc ;

4. Reading Distance: 10-55mm;

5. Scan Angle\*\*: 360° Full Angle.

## **Input and Output Parameters**

1. Power Input: 9-18VDC

2. Working Current: < 600mA

3. Can read like ISO14443A or ISO14443B card serial number.

Such as second-generation ID card, FM1208 CPU card, M1 card (Mifare S50, Mifare S70 IC card), SRIX4K, etc.

4. Barcode or 2D code input.

5. Wiegand 26/ 34 output, output IC card number (common read head function) and associated card number output in compliance with QR code reservation rules.

6. Communication Interface: RJ45 10/100M TCP/IP, Extensible Wireless WIFI, Bluetooth

7. Communication Protocol: Support TCP / UDP / HTTP

8. Voice output: comes with voice, amplifier and speaker output, nearly 150 kinds of voice output, customizable voice

9. Device input: 12V DC power input, 1 line gate input, 1 line exit button input, 1 line alarm input

10. Equipment output: 2 way 250V/5A relay output, 1 way unlock, 1 way expansion

can control door opener, light, water valve, etc. 设

11. Wiegand output: Wiegand 26/34 output

## **Dimensions**

Installation size: 105mm \* 105mm \* 25mm (L\*W\*H), Compatible with standard 86 box mounting dimensions