

RT412 Series

QR code integrated machine



Overview

RT412 series is a new generation of integrated machine independently developed by our company. It is an integrated machine with a time-sensitive QR code unlocking method, supports dynamic refresh of the QR code, and the applet opens the door at any time. The operation is simple, convenient and fast. Register through WeChat applet, adding, deleting, and managing users, without downloading APP, without waiting for card issuance, and realizing the function of all-in-one machine. Integrated screen design, scratch-resistant touch screen, high-strength tempered glass. High-definition scanning lens, double fill light design, clear code scanning day and night. The scanning speed is fast, the recognition rate is high, and the compatibility is strong. It can be connected to any access control controller that supports Wiegand input, and is suitable for various application scenarios. At the same time, it supports the identification of RFID radio frequency cards and QR codes. Hotel management, unmanned supermarkets and other fields. Support swipe card to open the door, QR code to open the door, ID card to open the door, get rid of the traditional key, the operation is simple and easy.

Models

Model	Description
RT412-B-S	1. Support ISO14443A protocol, ISO15693 protocol 2. Get UID of IC card and Chinese second-generation ID card 3. Support WG (default WG34) + RS485 interface + USB 4. Dynamic QR code all-in-one machine, support applet operation

Wiring Definition

DC(+12V)	GND	485A	485B	WG0	WG1	NO	COM	NC	Config
Power	Ground	RS485 Interface		WG Interface		Normally Open	Public	Normally Closed	Configuration Interface

Features

- ◇ Development of a advanced QR code access control technology;
- ◇ With antenna inside, and the working frequency is 13.56MHz;
- ◇ support get UID of MF、CPU、NFC(Simulation card)、Desfire EV1、 second generation Chinese ID cards and QR code;
- ◇ support output by Weigand、RS485、USB;
- ◇ WeChat applet, easy to use, simple to operate, no need to download APP.

Specifications

Params.	description
Card type	Ultralight、MF1 (S50,S70) 、Desfire EV1、 NTag、 NFC (Simulation card) 、CPU、 Chinese ID cards (UID) and other ISO/IEC14443A cards、 15693 cards、 electronic QR code, paper QR code
Communicatio	Weigand、RS485、USB
Working	DC 12V (±5%)
Working	DC 12V: less than 200mA, USB 5V: less than 500mA
Working	-10°C~+50°C
Storage	-20°C~+80°C
Working	20% ~ 80%
Code types	QR、UPC-A/E0/E1、Data Matrix、Matrix2 of 5、PDF417、Code 11/39/93128、Codabar、Interleaved 2 of 5
Sensing angle	Rotate 360°, angle ±45°
Sensing distance	IC cards: longer than 5cm, Chinese ID cards: longer than 4cm, QR code: 5-18cm (depends on IC card type、scanning angle、ambient light intensity)
Scanning	34° (H) , 26° (V)
Resolution	648 (H) ×488 (V)
Sensing speed	100ms (average)
USB wire	USB to Mini USB, L=1500mm±0.3mm
size	87*87*45mm(tolerance±0.3)

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For more contact methods and product information, please visit our website: www.zkradio.com

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