

# QRT378 Series

QR code integrated machine



## Overview

QRT378 series QR code integrated machine is a new generation of integrated machine independently developed by our company. This model supports time-sensitive two-dimensional code unlocking method, two-dimensional code dynamic refresh, self-registration through WeChat applet, no need to download APP, no need Waiting for card issuance and registration, the applet opens at any time, and has functions to add, delete, and manage users. The operation is simple, convenient and fast.

The panel designed with integrated, all-metal frame, glass panel, touch button appearance, high-definition scanning lens, fast scanning speed, high recognition rate, double fill light design, clear code scanning day and night. Compatibility is strong and can be connected to any access controller that supports Wiegand input.

It is suitable for various scenarios, and supports sensing RFID cards and QR codes. It can be used in community management, visitor management, hotel management, unmanned supermarkets and other fields.

Support swiping card to open the door, scanning QR code to open the door, swiping ID card to open the door, a variety of wireless door opening methods, get rid of the traditional key, easy to operate.

## Models

Model	Description	Wiring Definition
QRT378-B-S	WG+RS485+USB Standard integrated machine version Support get UID of second generation on Chinese ID cards, IC cards	<b>integrated machine mode:</b> red: DC 12V, black: GND , yellow: NC , pink: COM、 blue: NO、 light blue: MAG、 gray: BUT <b>reader mode:</b> red: DC 12V, black: GND , green: WD0 , white: WD1、 gray: BEEP , light blue: GLED <b>485 output:</b> red: DC 12V, black: GND , brown: 485A (+), light green: 485B(-)

## 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
Communication Interface	Weigand、RS485、USB
Working voltage	DC 12V (±5%)
Working current	DC 12V: less than 200mA, USB 5V: less than 500mA
Working temperature	-10℃~+50℃
Storage temperature	-20℃~+80℃
Working humidity	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 angle	34° (H) , 26° (V)
Resolution ratio	648 (H) ×488 (V)
Sensing speed	100ms (average)
USB wire	USB to Mini USB, L=1500mm±0.3mm
size	138*58*22.67(tolerance±0.3)

**TEL: +86-0755-29062099-8018**

For more contact methods and product information, please visit our website: [www.zkradio.com](http://www.zkradio.com)

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