

# R401 Series

QR Code Access Control Reader



## Overview

R401 series is a new generation of smart access control card readers developed by our company, with high-end appearance, fast scanning speed, high recognition rate, strong compatibility, and can be connected to any access control controller that supports Wiegand input.

This series is suitable for various application scenarios, and supports the identification of RFID radio frequency cards and QR codes, which can be used in community management, visitor management, hotel management, unmanned supermarkets and other fields.

## Models

Model	Description
R401-B-S	Support QR code, barcode, card reading, support get UID of Chinese ID card
R401-S-S	Support QR code, barcode, card reading, support get UID and information of Chinese ID card
R401-B-S-N	Support QR code, barcode, card reading, support get UID of Chinese ID card Support TCP/IP network function

## 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、TCP;

## 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	260mA
Working temperature	-10°C~+50°C
Storage temperature	-20°C~+80°C
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	80ms (average)
USB wire	USB to Mini USB, L=1500mm±0.3mm
size	86*86*50mm(tolerance±0.3)

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

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