

ZUR520S Series

UHF RFID CARD REDAER

ZKRADIO



Overview

UR520SE UHF reader is a long range reader with reading distance up to 10 meters. It supports 865~868MHz RFID smart cards/tags including: ISO18000-6C, EPC global UHF Class 1 Gen 2 and other ISO standards.

The UHF reader supports Wiegand and RS485 communications, providing flexible integration options for a variety of applications. The UHF readers are also equipped with a corresponding management tool, through which the configuration parameters of the reader can be updated, allowing greater flexibility in meeting customer needs.

UHF readers are widely used in many vertical markets and hardware systems, including access control and vehicle management.

Features

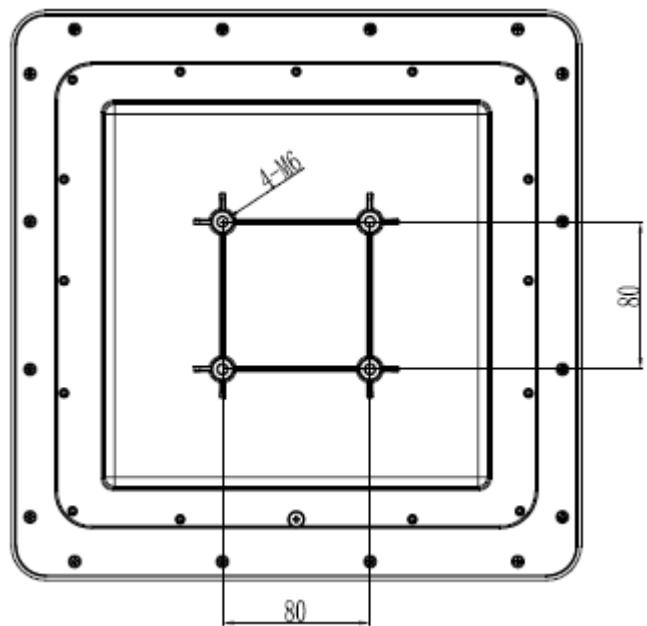
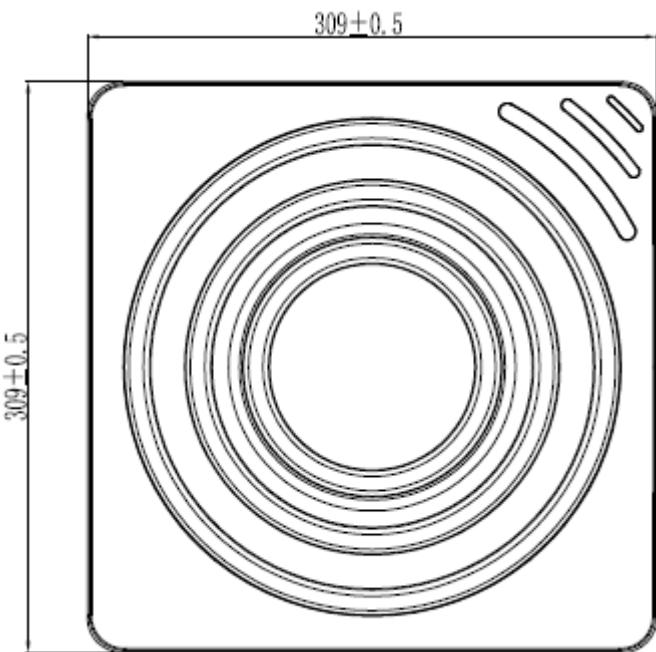
- ✧ Long-distance card reading, card reading distance up to 10 meters
- ✧ Support two working modes, always read the card and trigger read the card (can be grounded sense trigger)
- ✧ Support a variety of communication methods, Wiegand and RS485
- ✧ Support LED lights to show the status of the card reader, there are 7 colors to choose from (Red, Green, Blue, Yellow, Green, Purple, White)
- ✧ Protection grade IP66

Models

Model	Code	Description
ZUR520S	ZUR520SE	Work frequency: 865-868MHz (EU) long read range reader Communication : Wiegand26/34, RS485, USB(For parameter configuration) Antenna: 9dBi Waterproof: IP66 Read range: >10m Size: 309*309*65.5mm
	ZUR520SF	Work frequency: 902-928MHz (US) long read range reader Communication : Wiegand26/34, RS485, USB(For parameter configuration) Antenna: 9dBi Waterproof: IP66 Read range: >10m Size: 309*309*65.5mm
	ZUR520SF-BT	Work frequency: 865-868MHz(EU) long read range reader Communication: Wiegand26/34, RS485, TCP/IP, USB/Bluetooth (For parameter configuration) Read range: >10m Size: 309*309*65.5mm
	ZUR520SE-BT	Work frequency: 865-868MHz(EU) long read range reader Communication : Wiegand26/34, RS485, TCP/IP, USB/Bluetooth (For parameter configuration) Read range: >10m Size: 309*309*65.5mm

Specifications	Parameters	Description
Reading distance	Antenna	9dBi, circular polarization
Dimension	Dimension	309mm×309mm×65.5mm±0.5mm
Weight	Weight	Bare metal approx. g
Operating Frequency	Operating Frequency	865~868MHz 902-928MHz (Optional)
Smart card and protocol (UHF)	Smart card and protocol (UHF)	ISO18000-6C, EPC global UHF Class 1 Gen 2
Power Range	Power Range	7~30dBm
Communication Method	Communication Method	Wiegand, RS485, TCP/IP (network), USB/Bluetooth(configuration parameters)
Bluetooth	Bluetooth	BLE 5.1 (Apply for ZUR520SE-BT/ZUR520SF-BT)
Bluetooth connection distance	Bluetooth connection distance	0~5 meters, related to installation environment
Supply Voltage Range	Supply Voltage Range	DC 9~15V
Operating Current	Operating Current	12V power supply, standby current ≤ 500mA, operating current ≤ 1000mA
Operating Temperature	Operating Temperature	-20°C ~ 65°C (-4°F ~ 149°F)
Operating Humidity	Operating Humidity	20 - 80% non-condensing
Storage Temperature	Storage Temperature	-40°C ~ 80°C(-40°F ~ 176°F)
Installation	Installation	Clamp Column

Protection Grade	IP66
Certificates	None
Warranty	1 Year Warranty



Item	Color	Function declaration
1	Red	DC+12V
2	Black	GND
3	Deep green	Wiegand D0
4	White	Wiegand cD1
5	Black/white	Trigger INT
6	Purple	non-function \
7	Brown	RS485 A+
8	Blue	RS485 B-
9	Pink	non-function \
10	Light green	non-function \
11	Gray	non-function \
12	RJ45 Female	TCP/IP interface
13	USB male	USB interface

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

