

# UHF RFID Fixed Reader

## Model: SR-RU461 Series



**SR-RU461B**  
(D: 210\*123\*26mm)

### General Description

This series is our high-performance UHF RFID fixed reader. It is designed with low power dissipation and high integrated RFID chip solution, which has features of long reading distance, high identification speed, multiple interfaces, and ease installation. It can be widely used in logistics tracking, commodity inventory, cargo sorting, vehicle management, personnel management, asset management, medical systems, cold chain management, temperature monitoring, power monitoring, anti-counterfeiting systems and production process control and many other applications.

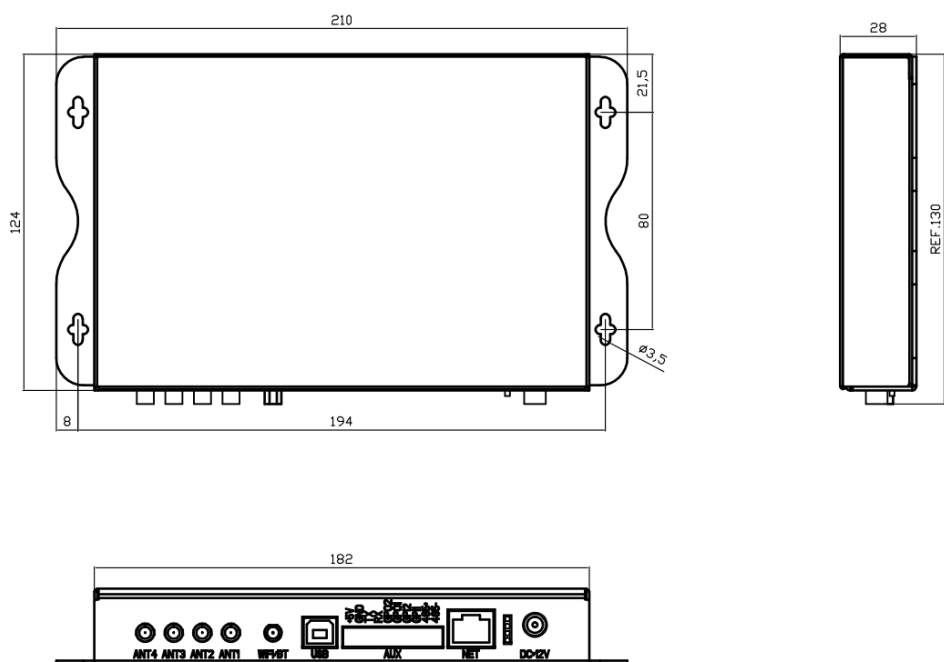
### Features

- \* Designed with low power dissipation and high integrated RFID module solution
- \* Support EPC Global UHF class 1 gen2 / ISO18000-6C protocol RFID tags.
- \* Optimized multiple tags inventory algorithm, speed is more than 100 per second
- \* Support command, polling, and trigger mode
- \* Support EPC, TID and USER inventory in independently or conjunctively
- \* Support IAP firmware upgrading
- \* Low power dissipation with single +12 DC power supply
- \* Interface support USB, RS232, RS485, Weigand, RJ45(TCP/IP, UDP),
- \* Number of tag caches up to 800pcs (96-bit EPC length)
- \* Provide DEMO and SDK for development
- \* Support development based on Windows, Android, Linux etc. and C, C#, JAVA, Python etc.

**Specification**

Main Function		
Protocol	EPC Global UHF Class 1 Gen 2 / ISO 18000-6C	
RSSI	Support	
Tag Reading		
Reading distance	≥35m	
Writing distance	≥1m	
Multiple tag reading speed	≥200pcs/s	
Communication Parameter		
Interface	Support USB, RS232, RS485, Weigand, RJ45(TCP/IP, UDP),	
	4 GPIO, including 2 GPI and 2 GPO	
Baud rate	115200bps	
Power Parameter		
Operating Voltage	DC 12.0V (9V~24V)	
Operating Current	≤600mA / DC 12V	
Standby Current	≤100mA / DC 12V	
Working Environment		
Operating Temperature	-20~+55℃	
Storage Temperature	-30~+85℃	
Operating Humidity	<95%RH (+25℃) Non-condensing	

## Dimension of SR-RU461B



## 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 distance between 20cm the radiator your body: Use only the supplied antenna.