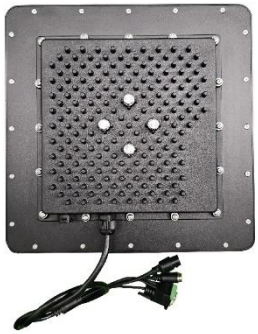
UHF RFID INTEGRATED READER

Model: SR-RU17G09B03



Application：

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

- Full series of products developed with independent intellectual property rights.
- Full series of modules based on UHF chip development, with the ability to provide personalized product support.
- The whole series of products are modularized to meet the combination of product functions required by the project, while reducing product cost and production efficiency.
- The whole series of products are supported by the same SDK regardless of product solution and product form, simplifying the development of multi-product applications for customer projects.
- Modules and core control boards have rock-solid stability based on nearly 10 years of R&D and production iterations.

- UHF reading TID/EPC various operation combinations, provide data format personalization.
- Desktop card issuer supports keyboard mode, seamless switching in the industrial field.
- With European CE / U.S. FCC / Korea KC / Canada ID and other multi-regional product certification.
- Provide multi-OS, such as Windows, Android, Linux, server, Raspberry Pi, cloud.
- Provide multi-language, such as C++, C#, PYTHON, JAVA etc.
- Provide multi-protocol, such as SysIoT standard protocol, TCP, HTTP, UDP, Wiegand (26/27/32/34),
- Provide OS, language, protocol custom development and OEM&ODM services.

Reader Specifications

Parameter		Model
		SR-RU17G09B03
RF	Antenna Frequency	902 ~ 928MHz
	RF Frequency	902 ~ 928MHz
	Protocol	ISO 18000-6C/6B
	RSSI	Support
	Reading distance	⩾35m
		Under 9.52dBi circularly polarized antenna, full power setting, standard E41 test card
	Reading speed	⩾1000/S
Reader	Interface	Standard: RS232, RS485/Weigand, RJ45(TCP/IP, UDP
	Baud rate	115200bps
	Read value	TID+EPC/USER
	Mode	Command, polling or trigger
	Operating Voltage	DC 12.0V (+9~24V)
	Operating Current	⩽900mA / DC12V
	Standby Current	⩽260mA / DC12V
	Operating Temperature	-20~55℃
	Storage Temperature	-40~85℃
	Operating Humidity	<95%RH (+25℃)
	Performance	Best (Impinj E710)
Support	SDK	Support
	IAP firmware Update	Support
	Custom Development	Support

Antenna Specification

Electrical Specifications		Mechanical Specifications	
Freq Range	902-928MHz	Dimension	290*290*82mm
Gain	9.52dBi	Weight	2.2kg
Polarization	Circular	Reflector material	Aluminum
Beam width (H/V)	Hor:60±2°/ Ver:60±2°	Radome material	ABS/ASA (Ensure no discoloration for 1 year)
VSWR	⩽1.5	Radome Color	Black/White
Impedance	50Ω	IP Class	IP65
F/B Ratio	⩾25	Operating Temperature	-20~60℃
Lightning Protection	DC Ground	Storage Temperature	-40~85℃
		Holding rod diameter	φ40-50mm

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.