

Scishine SRR1116R

UHF all-in-one Reader

Instructions



All Copyright Reserve

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1. Brief introduction

SRR1116R UHF all-in-one Reader has quality of multi-protocol supported, fast reading rate, anti-collision, circular polarized antenna, waterproofing design and so on, thus it can be used in variety of RFID systems. With high efficiency algorithm of processing, the reader keeps reading or writing fast of tags together with high identification rate at the same time. Already apply in the fields like: Logistics and Warehouse; ETC; Managing Vehicles; Production line; Anti-fake detection; Other fields: Club; Library; Membership Managing; Swimming pool, etc.



1 Pic 1: UHF reader SRR1116R

1.1 Main function:

- 1)Reading tag data: Reading either the tag ID or the data in storage appointed. One or multi tags can be read in antenna wave area.
- 2)Write tag data: Write data to storage area appointed.
- 3)Secondary development: With secondary development kit provided.

1.2 Main function:

Transportation management: For the transportation management of high way, railway and container.

- 1) Moto vehicle management: For the management and monitoring of variety of motor vehicles in the department of public security and the department of transportation.
- 2) Bridge toll: As the reader has the ability of reader far, so the bridge toll needs no stopping car.
- 3) Customs management: For the management of customs clearance, goods transition and cars.
- 4) Logistic management: For the goods transportation and the flow management of mail, package and luggage.
- 5) Management of parking lot: For the automation of car management and tolling.
- 6) Entrance guard management: For the management of car and people's entrance and existing.
- 7) Production process management: For the monitoring of parts and components in the total production process.

2. Technical parameters

Item	Tech
Frequency	902~928MHz
Protocol	EPC GEN2 / ISO 18000-6C
Power	0~30dBm, Adaptable
Distance	1~6m
Transfer speed	160k bps
Anti-collision capacity	1~512pcs tags in the same time, and also could be setting
Port	RS232
	100M Ethernet
PSU	DC 9V/1A
Work Life	>5 years
Work Tem	-20℃~60℃
Work humidity	20% ~ 90% (no treatment)

3. Structure and Interface Description

1) Structure Description



Pic 2: SRR1116R UHF Structure

2) Interface Description

The reader uses seal design, power supply and RS232 communication interface line through the casing. The power cord to 9 v / 1 a dc power supply, RS232 communication interface DB9 female head line.

1) communication interface

SRR1116R adopt RS232 communication interface communication with the outside world, interface USES the DB9 female head.



Pic 3: RS232 port

Data format RS232 interface is 8 data bits, one start bit and one stop bit, no parity bit; the data rate is 57600. RS232 communication interface supports reader parameter configuration, the demonstration program, and all of the serial communications function-secondary development package.

2) PSU port

PSU is made by external diameter 5.5mm, internal diameter 2.1mm, with standard DC, with good contact pot, suitable for general DC PSU.



Pic 4: 9V/1A DC

4. Contact

URL: www.scishine.net

Products and services to support: iservice@scishine.com