



SSD-R series reader

It is a high-performance RFID reader designed and developed by Seekall. It uses Seekall high-performance RFID chip, supports ISO18000-6C/6B protocol and supports the extension of 4/8/16 external antennas.

It can also be equipped with one 485 interface, 3 GPO outputs, and 2 GPI inputs.

Data management

Supports synchronization with backend data and can store up to 3000 pieces of data.

Tag Filtering

Supports up to 6 sets of EPC filtering rules; supports whitelist management, enabling local offline alarm control

Data resuming

Support data resuming after network disconnection

Communication Protocol

It can simultaneously support IoT communication protocols such as TCP, HTTP, and MQTT

SPECIFICATIONS

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Model	SSD-R4L	SSD-R8L	SSD-R16L
Performance			
Frequency	840MHz ~ 960MHz, adjustable		
Protocol	EPC C1G2, ISO18000-6B/C		
Chipset	Impinj E710/X3M1		
Sensitivity	-85		
Antenna Port	4 TNC female	8 TNC female	16 SMA female
Reading Distance	0-20 meters, differ for tags		
Writing distance	0-10 meters, differ for tags		
Working mode	Fixed frequency/frequency hopping optional		
I / O interface	2 inputs, 3 outputs		
Functional features	It support intensive reading and writing, antenna standing wave detection function, firmware online upgrade, tag data filtering, RSSI: perceived signal strength		
RF output power (port)	33dBm±1dBm (MAX)		
Output power regulation	1 dBm step		
Channel occupied bandwidth	< 200KHz		
Frequency stability	≤±20ppm		
Recognizing speed	>600 times / S		
CPU Frequency	816MHz		
RAM	32MB		
Memory	32MB		
Communication			
Communication(standard)	Ethernet or RS232		
Ethernet (Standard)	10Mbit/s, 100Mbit/s		
RS232 (standard)	Baud rate support 115200		
WIFI(optional)	Frequency: 2.4G, wireless standard: 802.11 b/g/n, effective bandwidth: around 3MB/s		
4G(optional)	CAT1 module, supports RNDIS USB dial-up internet access, with an upstream speed of 5MB and a downstream speed of 5MB		
POE(optional)	12V 2A 24W, compliant with IEEE802.3at standard		
Physical parameters			
Dimension	216*246*41mm		
Net weight	1.2kg		
Material	Aluminum		
Installation Method	Fixed by four screw holes		
Power			

Power Supply	DC 12V/3A
Power consumption	20W (output power 33dbm)
Environmental paramaters	
Operating temperature	-20 °C ~+60 °C
Storage temperature	-40°C ~ +85°C
Working humidity	5% to~ 95%, non-condensing