



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.

Data resuming

Support data resuming after network disconnection

Tag Filtering

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

Communication Protocol

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

SPECIFICATIONS



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