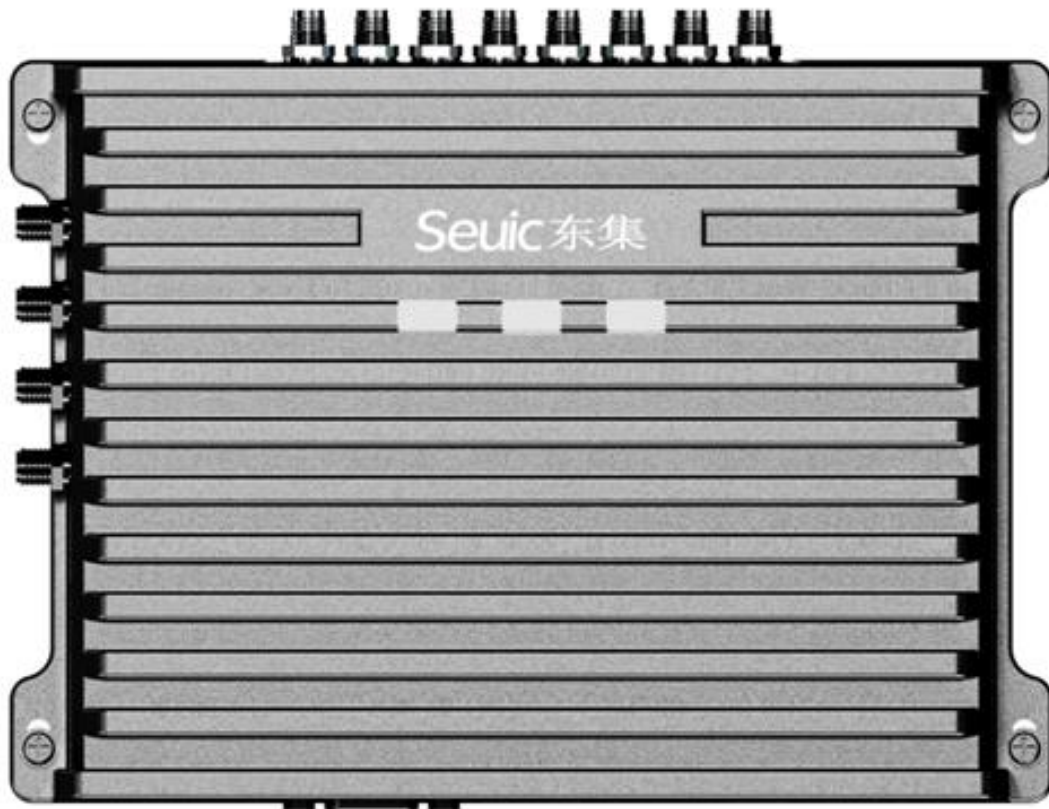




8 PORTS FIXED RFID READER

AUTOID®UF3-S

PRODUCT SPECIFICATION V1.3



JIANGSU SEUIC TECHNOLOGY CO., LTD

1. Product introduction:

Main futures:

- With Impinj R2000 RFID reader chip, EPC CLASS1 G2/ ISO18000-6C standard tag can be identified;
- Working frequency 840 ~ 960MHz (varies from different countries and regions);
- Work with FHSS Frequency or Fixed frequency transmission ;
- The max output power 33dBm (can be adjusted) ;
- 8 external SMA antenna connectors support;
- Response operation and real-time operation mode support;
- Cacheable tags: 1000pcs@max 96bitsEPC;
- EPC and TID anticollision mode;
- Low power consumption, DC9-24V charger, PoE power supply;
- RS232、RJ45 (TCP/IP) , Wi-Fi etc support;

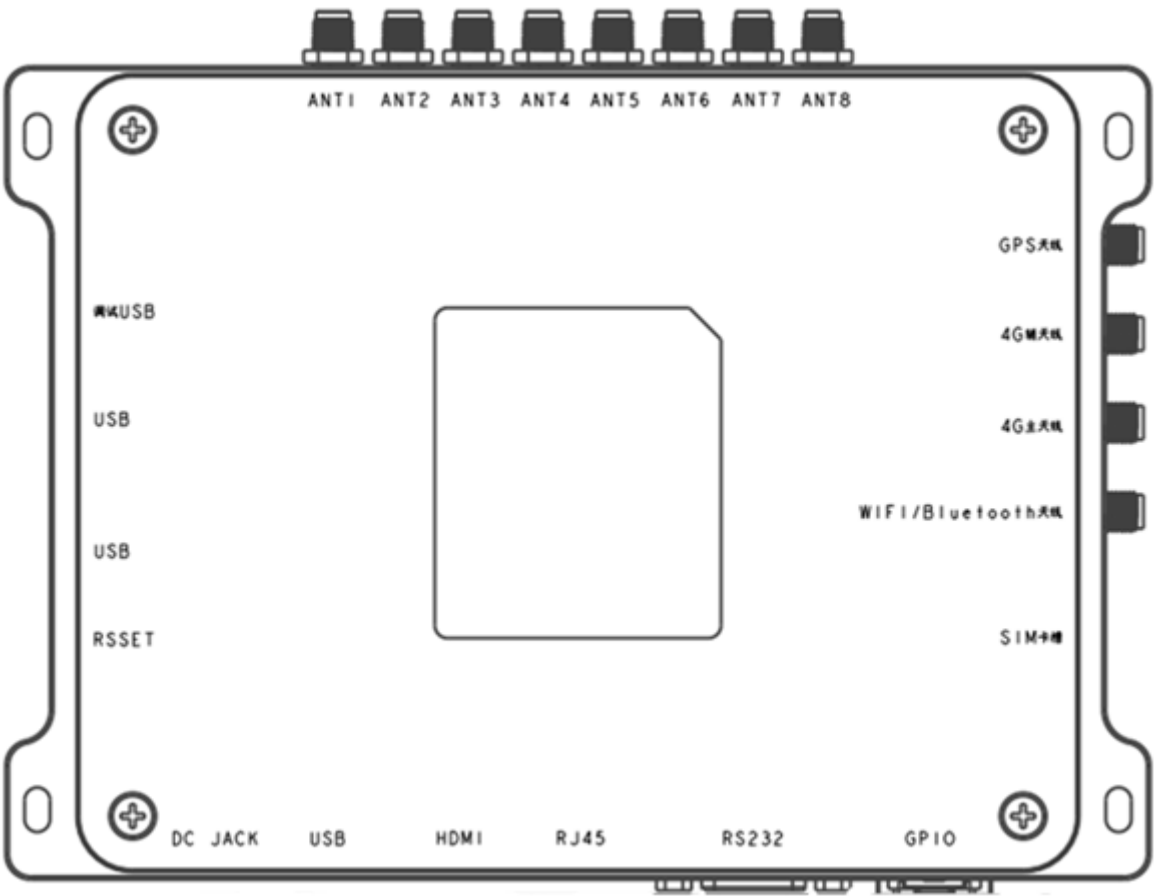
2. Product specification

Tag protocol	EPC C1 GEN2 / ISO18000-6C
Frequency Range	840Mhz – 960Mhz (Depends on different countries (regions) to be adjusted from 840Mhz to 960Mhz)
Receiving sensitivity	≤-80dbm
Each Antenna isolation	≥30dB(in working band)
Output power	0-33dBm adjustment, +/-1.0dBm

Multiple Tag performance	>700pcs/Sec (8dBi,3meter cable)
Read Tag performance	>8m(9662 white card , open outdoor environment, 8dBi,3meter cable)
Write Tag performance	> 4m(9662 white card , open outdoor environment, 8dBi,3meter cable)
CPU	Cortex™-A53 4-core1.3 GHz
System	Android 10
Memory	2GB+16GB
Communication Protocol	TCP/IP、RS232、WIFI (2.4G/5G dual band, IEEE802.11a/b/g/n) 、BT4.0 、 4G all modes(Optional)
Interface	8*SMA antenna connector、GPS antenna connector、4G diversity antenna connector、WIFI/BT antenna connector、4G SIM card connector、DC 9~24V、4*USB 2.0 connector、 HDMI D Type connector (1920x1080P video support) 、RJ45 (100.0Mbps) 、RS232(DB9 Female) 、GPIO、RESET ket
Output/Input	Support multi-channel optocoupler isolation GPIO, 4 channels of input, 4 channels of output, isolation voltage VRMS>3kV, applied voltage range 5-24V
Power supplier	9-24VDC, POE
POE	IEEE802.3-AF protocol; input voltage DC44v-57v; power 13w Cable core 12+, 36-; transmission distance 10-100m
Power consumption	≤1.5A (12V power supply)
Environment	Working Temperature: -20°C to +60°C; Storage Temperature: -40°C to +85°C;

	Humidity: 5% to 95% RH non-condensing
IP rating	IP54
Dimension	180*128*28mm
Weight	≤600g (without package) ≤1.2Kg (with package)

3. Interface



3.1 DC JACK*1 (DC JACK)

Item	Mark	Description
Central	PWR	DC 9~24V power
Outer	GND	Ground

3.2 USB *3 (USB-A)

3.3 HDMI *1

3.4 RS232*1 (DB9 Female)

Item	Mark	Description
1	NC	Reserve
2	TXD	Output TX
3	RXD	Input RX
4	NC	Reserve
5	GND	Signal ground
6	NC	Reserve
7	NC	Reserve
8	NC	Reserve
9	NC	Reserve

3.5 GPIO*1

3.6 TCP/IP RJ45*1 (RJ45)

3.7 SMA Connector*8 ANT1~ANT8, (SMA Female)

3.8 GPS ANT connector*1 (SMA Female)

3.9 4G Main ANT connector*1 (SMA Female)

3.10 4G Diversity ANT connector*1 (SMA Female)

3.11 WIFI/BT ANT connector*1 (SMA Female)

3.12 4G SIM connector *1 (standard SIM)

3.13 Tuning/Download USB connector*1 (Micro USB)

3.14 Reset key*1

4、Product Installation

There are four mounting holes on the corner of this product, the hole diameter is $\varnothing 4\text{mm}$, the hole distance is $170\text{mm} \times 84.8\text{mm}$, fix the hole with screw.

