

UHF RFID Fixed Reader



Model: RRU2861

Size: 230mmx170mmx40mm

Weight: 1280g

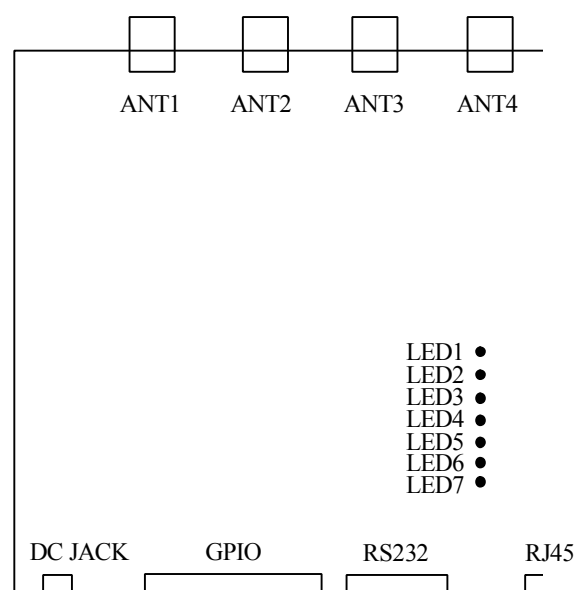
GENERAL DESCRIPTION

UHF Fixed Reader RRU2861 is a high performance UHF RFID fixed reader. It is designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, anti-counterfeit and industrial production process control system.

FEATURES

- Self-intellectual property;
- Support ISO18000-6C(EPC C1G2) , ISO18000-6B protocol tag;
- 860~868MHz, 902~928MHz frequency band(frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- 4 TNC antenna port;
- Support auto-running, answer and trigger work mode;
- Support EPC and TID inventory;
- Low power dissipation with single +9 DC power supply;
- Support RS232, RS485, TCP/IP with other interface optional;
- Built-in LED, Buzzer, GPIO and Relay;
- High reliability design.

INTERFACE



1. Power (DC JACK)

No.	Symbol	Comment
Central	PWR	+9VDC
Outer	GND	Ground

2. GPIO (DB15 Female)

No.	Symbol	Comment
1	Output1	General Output1
2	Output2	General Output2
3	Output3	General Output3
4	Output4	General Output4
5	Output5	General Output5
6	Output6	General Output6
7	Output7	General Output7
8	Output8	General Output8
9	TGIN	Trigger input with internal pull-up to 5V through a 10k resistor
10	R+	R+ of RS485
11	R-	R- of RS485
12	GND	Signal Ground
13	NO	Normal-Open terminal of internal relay
14	NC	Normal-Close terminal of internal relay
15	CM	Common terminal of internal relay

3. Serial communication port RS232 (DB9 Male)

No.	Symbol	Comment
1	nc	Reserved
2	TXD	General Output2
3	RXD	General Output3
4	nc	Reserved
5	GND	Ground
6	nc	Reserved
7	nc	Reserved
8	nc	Reserved
9	nc	Reserved

4. TCPIP network (RJ45)

5. TNC antenna port ANT1~ANT4

6. LED indicator LED1~LED7

No.	Symbol	Comment
1	LED1	Antenna 1 active indicator
2	LED2	Antenna 2 active indicator
3	LED3	Antenna 3 active indicator
4	LED4	Antenna 4 active indicator
5	LED5	Tag-detected indicator
6	LED6	Command-executing indicator
7	LED7	Power-on indicator

CHARACTERISTICS

● Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	16	V
Operating Temp.	T _{OPR}	-10~+55	℃
Storage Temp.	T _{STR}	-20~+75	℃

● Electrical and Mechanical Specification

Under T_A=25℃, VCC=+9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	9	12	V
Current Dissipation	I _C		600	1500	mA
Frequency	F _{REQ}	860	860~868 902~928	928	MHz
Size	Size		230x170x40		mm

Remark:

1. Specifications are subject to change, please pay attention to our latest one.

2. Shenzhen RoyalRay Science and Technology Co., Ltd. reserves the right to the final interpretation of the above terms.