

Ultra High Frequency

UHF Controllers



UHF Controller

- Self-intellectual property;
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- 4 TNC antenna port;
- Support auto-running, interactive and scanning work mode;
- Low power dissipation with single +9 DC power supply;
- Built-in LED, Buzzer, GPIO and Relay;
- High reliability design.

Certification



[Enquiry \(../Enquiry.html\)](#)

Description	Mifare/Smart
Model No	S-U4R

Technical Specification

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. TCP/IP 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

Absolute Maximum Rating

ITEM.	SYMBOL	VALUE	UNIT
Power Supply	VCC	16	V
Operating Temp.	TOPR	-10~+55	°C
Storage Temp.	TSTR	-20~+75	°C

Electrical and Mechanical Specification

Under TA=25°C, VCC=+9V unless specified

ITEM.	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	98	12	V
Current Dissipation	Ic		600	1500	mA
Frequency	FREQ	902		928	MHz