



UHF Fix
Reader

Model : SID-U2861

Size : 230x170x40 mm

Weight : 1280 g

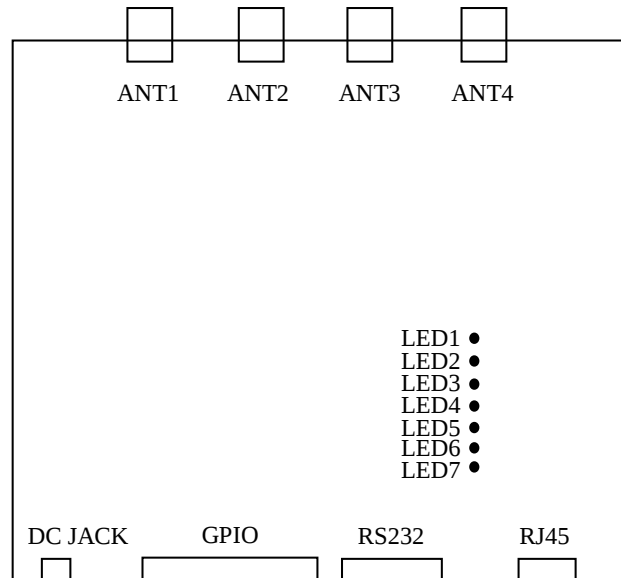
GENERAL DESCRIPTION

UHF Fixed Reader U2861 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;
- 920~925MHz. frequency and frequency customization optional
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- 4 TNC antenna ports;
- Support auto-running, answer and trigger-activating work mode;
- Support EPC and TID inventory;
- Low power dissipation with single +9 DC power supply;
- Support RS232, RS485, RJ45 (TCP/IP) with other interface optional;
- Built-in LED (LED indicator LED1~LED7), Buzzer, GPIO and Relay;
- Provide DLL,Demonstration Software source code to facilitate further development;
- High reliability is designed for extreme environment condition.

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. 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

C H A R A C T E R I S T I C S

● Absolute Maximum Rating

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

● Electrical and Mechanical Specification

Under T_A=25°C, 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. Our company reserves the right to the final interpretation of the above terms.

ผ่านการรับรองจาก กสทช

