

## Integrate reader 12dbi RS232+ Wifi



UHF  
Reader

Model : SID-ITRD-U861C12WI

Size : 450x450x70 mm

Weight : 2600g

## GENERAL DESCRIPTION

SID-ITRD-U861C12WI is a high performance UHF RFID integrated 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 ISO18000-6B, ISO18000-6C (EPC C1G2) protocol tag;
- 920~925 MHz frequency band (frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm (adjustable);
- Effect distance up to 12m\*;
- Support auto-running and interactive work mode;
- Low power dissipation with single +9 DC power supply;
- Support RS232 and Wi-Fi interface (external Wi-Fi antenna);
- Provide DLL and Demonstration Software Source code to facilitate further development.
- National Broadcasting and Telecommunication Commission (NBTC) Approve

*\* Effective distance depends on antenna, tag and environment.*

## 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 <sub>OPR</sub>	-10~+60	°C
Storage Temp.	T <sub>STR</sub>	-25~+80	°C

- Electrical and Mechanical Specification  
Under T<sub>A</sub>=25°C, VCC=+9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	9	12	V
Current Dissipation	I <sub>c</sub>		450	750	mA
Frequency	F <sub>REQ</sub>	920	920~925	925	MHz
Effective Distance *	DIS	400	600		cm

\* Effective distance depends on antenna, tag and environment.

## I N T E R F A C E

ITEM	COMMENT
Red	+9V
Black	GND
Yellow	WC_RXD(WiFi configuration RXD)
Blue	NC
Purple	GND
Orange	WC_TXD(WiFi configuration TXD)
Brown	GND
White	RS232 RXD
Green	RS232 TXD
Grey	NC

Remark:

- Specifications are subject to change, please pay attention to our latest one.
- Smart Identify Co., Ltd. reserves the right to the final interpretation of the above terms.