

Integrate reader 12 dbi : RS232+TCP/IP



UHF
Reader

Model : SID-ITRD-U861L12IP

Size : 450x450x70 mm

Weight : 3000g

GENERAL DESCRIPTION

SID-ITRD-U861L12IP UHF High Performance Integrated Reader 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, and anti-counterfeit and industrial production process control system.

FEATURES

- Self-intellectual property;
- 920~925 MHz frequency band (frequency customization optional);
- Based on R2000 design, excellent multi-tag anti-collision operation, fully support EPC CLASS1 G2 protocol tag;
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- 12dbi antenna optional with effect reading distance up to 20~25m*;
- Support auto-running, interactive and trigger-activating work mode;
- Low power dissipation with single +9 DC power supply;
- Support RS232 and TCP/IP interface;
- 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 _{OPR}	-10~+60	°C
Storage Temp.	T _{STR}	-25~+80	°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		350	650	mA
Frequency	F _{REQ}	920	920~925	925	MHz
Effective Distance*	DIS	20	25		m

* Effective distance depends on antenna, tag and environment.

I N T E R F A C E

ITEM	COMMENT
Red	+9V
Black	GND
Yellow	Wiegand DATA0
Blue	Wiegand DATA1
Purple	RS485 R+
Orange	RS485 R-
Brown	GND
White	RS232 RXD
Green	RS232 TXD
Grey	Trigger input (TTL level)

Remark:

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