

UHF High Performance Integrated Reader



Model : SID-ITRD-U881-4dbi

Size : 165x165x57 mm

Weight : 760g

GENERAL DESCRIPTION

SID-ITRD-U881-4dbi 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, 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 performance, fully support EPC CLASS1 G2, ISO18000-6B protocol tag;
- FHSS or Fix Frequency transmission, support RSSI (optional);
- RF output power up to 30dbm (adjustable);
- 4dbi antenna optional with effect reading distance up to 3~8m*;
- Support auto-running, interactive and trigger-activating work mode;
- Support EPC and TID anti-collision operation;
- Wide power supply voltage input (+9V) power supply, POE (Power over Ethernet) is optional;
- Support RS232, RS485, Wiegand interface with optional Wifi, TCP/IP interface;
- Provide DLL and Demonstration Software Source code to facilitate further development.

* Effective distance depends on antenna, tag and environment.

CHARACTERISTICS

- 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	0	5		m

* Effective distance depends on antenna, tag and environment.

INTERFACE

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

Remark:

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