Smart Identify
Smart choice you choose

UHF High Performance Integrated Reader

UHF Reader

Model : SID-ITRD-U881-8IP

Size : 255x255x50mm

Weight : 1000g

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GENERAL DESCRIPTION

SID-ITRD-U881-8IP 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;

- 902~925 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);

- 8dbi antenna optional with effect reading distance up to 9~12m [*];

- Support auto-running, interactive and trigger-activating work mode;

- Low power dissipation with single +9 DC power supply;

- Support RS232, TCP/IP and Wiegand interface;

- Provide DLL and Demonstration Software Source code to facilitate further development.

- National Broadcasting and Telecommunication Commission (NBTC) Approve

- IP54

- Equipment for installation on the gate

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	9	12		m

  Effective distance depends on antenna, tag and environment.

INTERFACE

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:
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.