

UHF High Performance Integrated Reader



UHF
Reader

Model : SID-U881-8dbi

Size : 255mmx255mmx50mm

Weight : 1000g

GENERAL DESCRIPTION

SID-U881-8dbi 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;
- 860~868MHz, 902~928MHz 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, RS485, Wiegand with optional TCP/IP interface;
- Provide DLL and Demonstration Software Source code to facilitate further development.

* 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}	860	860~868 902~928	928	MHz
Effective Distance*	DIS	9	12		m

* Effective distance depends on antenna, tag and environment.

INTERFACE

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:

- 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.*