

SID-U881-8dbi

UHF High Performance Integrated Reader



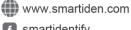
UHF Reader Model: SID-U881-8dbi

Size: 255mmx255mmx50mm

Weight: 1000g

Smart identify Ltd.

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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.







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CHARACTERISTICS

Absolute Maximum Rating

| ITEM | SYMBOL | VALUE | UNIT |
|-----------------|------------------|---------|------------------------|
| Power Supply | VCC | 16 | V |
| Operating Temp. | T _{OPR} | -10~+60 | $^{\circ}\!\mathbb{C}$ |
| Storage Temp. | T_{STR} | -25~+80 | $^{\circ}$ C |

Electrical and Mechanical Specification Under $T_A=25^{\circ}C$, VCC=+9V unless specified

| ITEM | SYMBOL | MIN | TYP | MAX | UNIT |
|------------------------|------------------|-----|--------------------|-----|------|
| Power Supply | VCC | 8 | 9 | 12 | V |
| Current Dissipation | Ic | | 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.











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NTERFACE

| 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.

