

UHF High Performance Desktop Reader



Model : RFID-ITRD-U2881

Size : 420 x 300 x 28mm

Weight : 2900 g

GENERAL DESCRIPTION

RFID-ITRD-U2881 is a high performance UHF Desktop Integrated reader. It 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 Pocess Control System, Valuables Management.

FEATURES

- Self-intellectual property;
- 840~960MHz frequency band (frequency customization optional);
- Based on R2000 design, excellent multi-tag anti-collision operation, fully support 18000-6C (EPC CLASS1 G2), ISO18000-6B protocol tags;
- FHSS or Fix Frequency transmission, support RSSI;
- RF output power up to 30dbm (adjustable);
- Built-in antenna, typical reading effective distance is 3.5m^{*};
- Support auto-running, interactive and trigger-activating work mode;
- Support EPC and TID anti-collision operation;
- Low power dissipation with single +9 DC power supply, POE (Power over Ethernet) is optional;
- Support RS232, RS485, Wiegand interface, provide TCP/IP, USB (external power supply) interface for choice;
- Unique design outline;
- 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~+65	°C
Storage Temp.	T _{STR}	-20~+75	°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		0.5	1.2	A
Frequency	F _{REQ}	840	860~868 902~928	960	MHz

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)

* Effective distance depends on antenna, tag and environment.

Remark:

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