



UHF
Reader

Model : SID-U861-DK

Size : 110mmx160mmx35mm

Weight : 400g

GENERAL DESCRIPTION

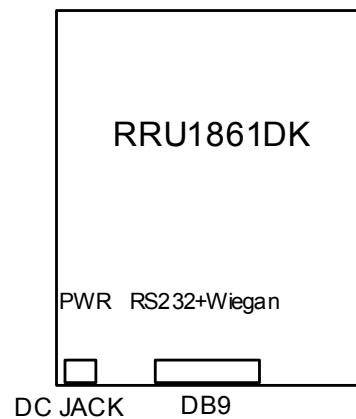
SID-U861-DK is a high performance UHF Desktop Reader. It is designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, attendance system, anti-counterfeit and industrial production process control system.

FEATURE

- Self-intellectual property;
- Support ISO18000-6C (EPC C1G2),ISO18000-6B protocol tag;
- 860~868MHz, 902~928MHz frequency band(frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- Built-in wideband antenna with effect distance 10cm~100cm*;
- Support auto-running and interactive work mode;
- Low power dissipation with single +9V DC power supply;
- Support RS232 and Wiegand interface;
- Output format and parameters configurable;
- Provide SDK and demo software to facilitate further development.
- National Broadcasting and Telecommunication Commission (NBTC) Approve

** Effective distance depends on protocol, tag and environment.*

INTERFACE



DB9 Male		
Pin	Symbol	Comment
1	NC	Reserved
2	TXD	TXD of RS232
3	RXD	RXD of RS232
4	NC	Reserved
5	GND	GND
6	WD0	Wiegand data0
7	NC	Reserved
8	WD1	Wiegand data1
9	GND	GND

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□, 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	10		100	cm

* Effective distance depends on protocol, tag and environment.

Remark:

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