

UHF Desktop Reader

SID-RDT-U816-SR

UHF Desktop Reader U816 RS232



Model: SID-RDT-U816-SR

Size : 123x94x29 mm

Weight: 144g



UHF Desktop Reader

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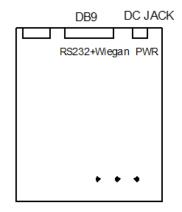
GENERAL DESCRIPTION

SID-RDT-U816-SR is a high performance UHF Desktop Reader. It is designed upon fully self-intellectual property. Based on proprietory 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.

FEATURES

- Self-intellectual property;
- Support ISO18000-6C (EPC C1G2) protocol tag;
- 902~925 MHz frequency band (frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 26dbm(adjustable);
- Built-in wideband antenna with effect distance up to 1000mm*;
- 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.

INTERFACE







Smart identify Ltd.

594/9 Hathairat Road, Bangchan Klongsamwa, Bangkok 10510 Thailand

Tel: +66(0)2-136-9171 to 4 Fax: +66(0)-136-9175







^{*} Effective distance depends on protocol, tag and environment.



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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				

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	15	V
Current Dissipation	lc		400	600	mA
Frequency	F _{REQ}	920		925	MHz
Effective Distance*	Dis	0	500	1000	mm

^{*} Effective distance depends on protocol, 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.

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