

UHF Desktop Reader



UHF
Reader

Model : SID-RDT-U809-USBL

Size : 105mmx70mmx11mm

Weight : 80g

GENERAL DESCRIPTION

SID-RDT-U809-USBL is a high performance UHF RFID 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.

FEATURES

- Self-intellectual property;
- Support ISO18000-6C(EPC C1G2) , ISO18000-6B protocol tag;
- 920~925 MHz frequency band (frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 13dbm(adjustable);
- No external power source needed;
- Built-in antenna with effect distance up to 200mm*;
- Support USB1.1 interface with VSP(Virtual Serial Port) or HID mode;
- Slim outline;
- Provide SDK and demo software to facilitate further development.
- National Broadcasting and Telecommunication Commission (NBTC) Approve

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

C H A R A C T E R I S T I C

- Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	6	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=+5V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	4.5	5	5.5	V
Current Dissipation	I _c		90	150	mA
Frequency	F _{REQ}	920		925	MHz
Effective Distance*	Dis	0	120	200	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 Ltd. reserves the right to the final interpretation of the above terms.