

UHF RFID Integrated Reader



UHF long range reader

Size: 445mmx445mmx55mm

Product mode explanation

Model	Interface
SR-1015	Standard(RS232, RS485, Wiegand)
SR-1015T	Standard with tcp/ip
SR-1015w	Standard with Wifi

General Description

SR-1015 is a high performance UHF RFID 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 process control system.

FEATURES

1. Self-intellectual property;
2. Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;
3. 865~868MHz, 902~928MHz frequency band(frequency customization optional);
4. FHSS or Fix Frequency transmission;

- 5. RF output power up to 30dbm(adjustable);
- 6. 12dbi antenna optional with effect distance up to 10m*;
- 7. Support auto-running, interactive and trigger-activating work mode;
- 8. Low power dissipation with single +9 DC power supply;
- 9. Support RS232, RS485, Wiegand TCP/IP interface;

* Effective distance depends on antenna, tag and environment.

CHARACTERISTICS

1. Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	16	V
Operating Temp.	T _{OPR}	-10~+55	°C
Storage Temp.	T _{STR}	-20~+75	°C

2. 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		350	650	mA
Frequency	F _{REQ}	902		928	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)

