Operating Temp.	TOPR	-10~+55		℃
Storage Temp.	TSTR	-20~+75		℃

Electrical and Mechanical Specification

Under TA＝25℃，VCC＝+9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	9	12	V
Current Dissipation	IC		350	650	mA
Frequency	FREQ	902		928	MHz

Interface:

Item	Comment
Red	+9V
Black	GND
Light blue	Wiegand DATA0
Blue	Wiegand DATA1
Purple	RS485 R+
Orange	RS485 R-
Brown	GND
White	RS232 RXD
Pink	RS232 TXD
Grey	Trigger input（TTL level）

Product name: UHF long range integrated reader

Product number: CF-RU5112

Package size: 60*50*12cm

Gross weight: 5kg

Product mode explanation:

Model	Interface
CF-RU5112	RS232, RS485, wiegand
CF-RU5112T	RS232, tcp/ip
CF-RU5112w	RS232, wifi
CF-RU5112TW	RS232,wifi,tcp/ip

General Description:

CF-RU5112 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. Size:445mmx445mmx55mm

3. Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;

4. 865~868MHz, 902~928MHz frequency band(frequency customization optional);

5. FHSS or Fix Frequency transmission;

6. RF output power up to 30dbm(adjustable);

7. 12dbi antenna optional with effect distance up to 10m~20m*;

8. Support auto-running, interactive and trigger-activating work mode;

9. Low power dissipation with single +9 DC power supply;

10. Support RS232, RS485, Wiegand TCP/IP interface;

* Effective distance depends on antenna, tag and environment.

Characteristics:

Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	16	V