



Product name: UHF desktop USB reader&writer

Product number: CF-RU5102

Package size: 13*9*4cm

Gross weight: 159g

Product mode explanation

Model	Interface
CF-RU5102	USB
CF-RU5102K	USB emulate keyboard stroke(only read)

CF-RU5102 is a high performance Multiple Protocol 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

1. Self-intellectual property;
2. Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;
3. 902~928MHz、860~868Mhz frequency band(frequency customization optional);
4. FHSS or Fix Frequency transmission;
5. RF output power up to 10dbm(adjustable);
6. No external power source needed;
7. Built-in antenna with effect distance up to 200mm*;
8. Support USB1.1 interface with VSP(Virtual Serial Port) or HID mode;
9. Slim outline;
10. Provide SDK and demo software to facilitate further development.

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

Characteristics

Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
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Power Supply	VCC	6	V
Operating Temp.	TOPR	-10~+60	°C
Storage Temp.	TSTR	-25~+80	°C

Electrical and Mechanical Specification

Under TA=25°C, VCC=+5V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	4.5	5	5.5	V
Current Dissipation	IC		120	200	mA
Frequency	FREQ	902		928	MHz
Effective Distance*	Dis	0	100	200	mm

* Effective distance depends on protocol, tag and environment.