



Product name: High Performance UHF RFID Fixed Reader with one antenna port

Product number: CF-RU5200

Package size: 29.5*21.5*9cm

Gross weight: 1.18kg

Product mode explanation:

Model	Interface
CF-RU5200	Standard:RS232+(RS458/WG26 for option)
CF-RU5200T	RS232+TCP/IP

General Description

CF-RU5200 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

- Self-intellectual property;
- Design based on Impinj R2000 with excellent anti-collision performance;
- Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;
- Frequency band(frequency customization optional)860~865Mhz or 902~928Mhz;
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- One TNC antenna port;
- Support auto-running, interactive and trigger-activating work mode;
- Wide power supply voltage input (+9V~+24V);
- Support RS232, RS485, Wiegand, TCPIP interface;
- High reliability design;

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

Characteristics

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

Electrical and Mechanical Specification

 Under T_A=25°C, VCC=+9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	9	24	V
Current Dissipation	I _C		600	1500	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)