

## High Performance UHF RFID Fixed Reader



UHF Fix  
Reader

Model : RFID-FXRD-U2881ADV

Size : 310x210x47 mm

### GENERAL DESCRIPTION

RFID-FXRD-U2881ADV is a high performance UHF RFID fixed 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;
- Designed with Impinj R2000 RFID engine;
- Support ISO18000-6C(EPC C1G2) , ISO18000-6B protocol tag;
- 920~925 MHz frequency;
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- 4 TNC antenna port with antenna auto-tuning and failure-detection;
- Support auto-running, answer, trigger and real-time-inventory work mode;
- Tag buffer size up to 800PCS (Max. 496bits EPC length);
- Support EPC and TID inventory;
- Low power dissipation with single +9 DC power supply;
- Support RS232, RS485, RJ45(TCPIP) with WiFi and POE optional;
- High reliability design;
- Support on-the-site firmware upgrading and optional Wince or Linux Operation System.

### CHARACTERISTICS

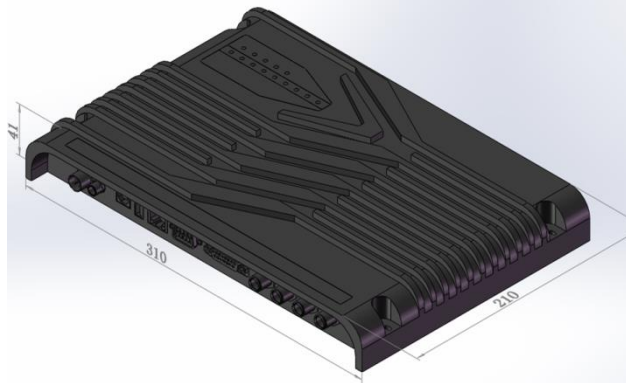
- Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	16	V
Operating Temp.	T <sub>OPR</sub>	-10~+60	°C
Storage Temp.	T <sub>STR</sub>	-20~+75	°C

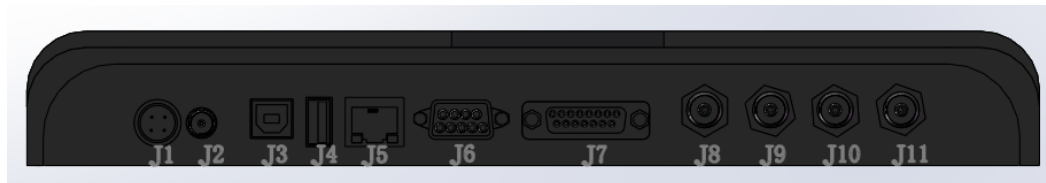
- Electrical and Mechanical Specification  
Under T<sub>A</sub>=25°C, VCC=+9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	9	12	V
Current Dissipation	IC		800	1500	mA
Frequency	F <sub>REQ</sub>	920	920~925	925	MHz
Size	Size		310x210x41		mm

## MECHANICAL DATA (UNIT mm) :



## INTERFACE



### 1. Power J1

No.	Symbol	Comment
2	PWR	+9VDC
4	GND	Ground
1,3	NC	Reserved

2. WiFi Antenna J2 (SMA Female)
3. USB J3 (Slave)
4. USB J4 (Reserved)
5. TCP/IP RJ45 Socket J5