

UHF Middle Range Integrated Reader



Model: RRU1861-9dBi

Size: 278.5 × 257 × 52 mm

GENERAL DESCRIPTION

RRU1861-9dbi 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;
- Support ISO18000-6B, ISO18000-6C (EPC C1G2) protocol tag;
- 860~868MHz, 902~928MHz frequency band (frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm (adjustable);
- 9dbi antenna optional with effect distance up to 5~9m^{*};
- Support auto-running, interactive and trigger-activating work mode;
- Low power dissipation with single +9 DC power supply; POE is optional;
- Support RS232, RS485, Wiegand interface; provide RJ45(TCP/IP), WiFi for choice;
- Provide DLL and Demonstration Software Source code to facilitate further development.

** 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}	-20 ~ +60	°C
Storage Temp.	T _{STR}	-20 ~ +70	°C

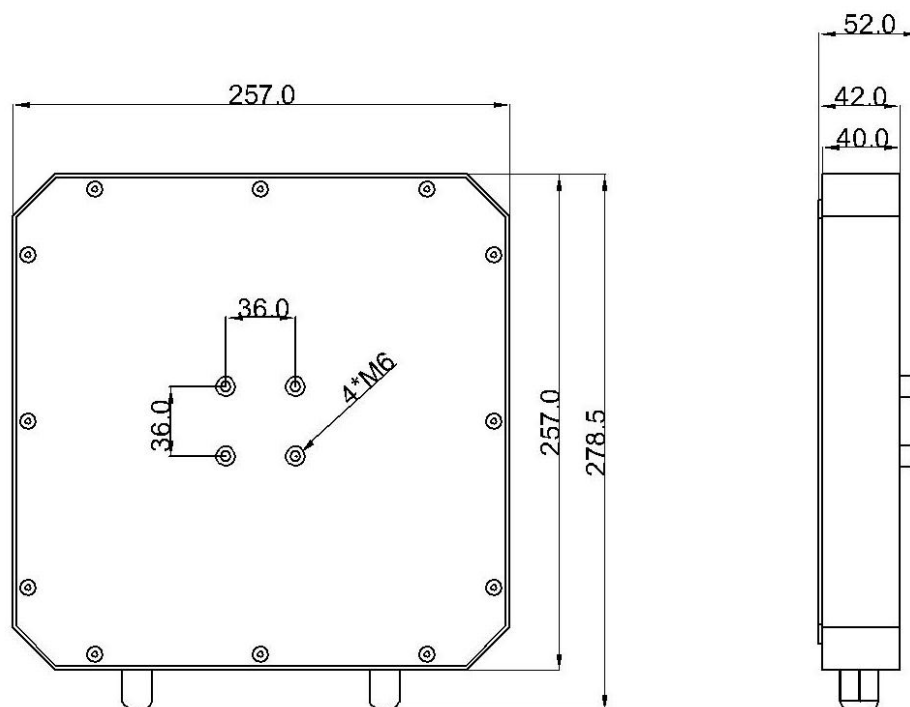
- Electrical and Mechanical Specification
Under T_A=25°C, VCC=+9V unless specified

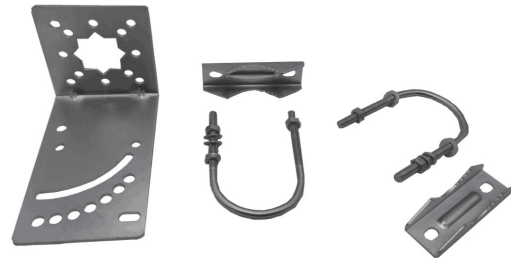
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	8	9	12	V
Current Dissipation	I _C		350	650	mA
Frequency	F _{REQ}	860	860~868 902~928	928	MHz

INTERFACE

ITEM	COMMENT
Red	+9V
Black	GND
L-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)

MECHANICAL DATA (UNIT:mm)



ACCESSORY**Adapter*1****Power Cable*1****Bracket*1***Remark:*

- 1. Specifications are subject to change, please pay attention to our latest one.*
- 2. Shenzhen RoyalRay Science and Technology Co., Ltd. reserves the right to the final interpretation of the above terms.*