UHF Integrated Reader

Model：IDRFID1861- 12dbi

Size：455mmx455mmx55mm

Weight: 2600g

GENERAL DESCRIPTION

IDRFID1861- 12dbi is 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;
- 860~868MHz, 902~928MHz frequency band (frequency customization optional);
- Support ISO 18000- 6C(EPC C1G2), ISO 18000- 6B protocol tag;
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm (adjustable);
- 12dbi antenna optional with effect distance up to 8~15m*;
- Support auto- running, interactive and trigger- activating work mode;
- Low power dissipation with single +9 DC power supply; POE (Power over Ethernet) is optional;
- Support RS232, RS485, Wiegand interface, provide RJ45(TCP/IP), Wi- Fi interface 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}	- 10 ~+60	℃
Storage Temp.	T_{STR}	- 25 ~+80	℃

- Electrical and Mechanical Specification
  Under T_A=25℃, 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
Effective Distance*	DIS	8	15		m

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

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)

Remark:

1. Specifications are subject to change, please pay attention to our latest one.