

## UHF RFID Integrated Reader



**Model : GoRFID UIR 12**

**Size : 445mmx445mmx55mm**

**Weight: 2600g**

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## GENERAL DESCRIPTION

**GoRFID UIR 12** 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, and anti-counterfeit and industrial production process control system.

## FEATURES

- Self-intellectual property;
- Support ISO18000-6B, ISO18000-6C(EPC C1G2) protocol tag;
- 902~928MHz frequency band(frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- 12dbi antenna optional with effect distance more than 10m\*;
- Support auto-running, interactive and trigger-activating work mode;
- Low power dissipation with single +9 DC power supply;
- Support RS232, RS485, Wiegand interface;
- Provide DLL and Demonstration Software Source code to facilitate further development.

## 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>	-25~+80	°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	I <sub>C</sub>		350	650	mA
Frequency	F <sub>REQ</sub>	902		928	MHz
Effective Distance	DIS	800	1000		cm

## 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)

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

*Remark:*

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