

# UHF RFID Reader



## Device Spec

Dimensions	228 x 228 x 65 mm
Weight	2000 g
Material	Die-cast aluminum+Plastics
Input Voltage	DC 12~24V
Standby Current	<10mA
Work Current	1000mA +/-5% @ DC 12V Input
Operating Temp.	- 20 °C - + 65 °C
Storage Temp.	- 40 °C - + 85 °C
Humidity	5%RH - 95%RH (no condensation)
Air Protocol	EPC global UHF Class 1 Gen 2 ISO 18000-6C
Frequency	902-928MHz FCC 865-868MHz ETSI
Output Power	0 – 33dBm
Output Power Precision	± 1dB
Output Power Flatness	± 0.2dB
ReceiveSensitivity	< -85 dBm
Reading Rate	> 800 tags/s
Antenna Gain	8dBi (Circular)
Tag RSSI	Supported
Antenna Detector	Supported
Ambient Temp Monitor	Supported
Host Communication	RS-232, TCP/IP, Wiegand, RS485
GPIO	2 input optical coupling 2 output coupling
Band Rate	115200 bps
IP Class	IP67

# RTEC R2228-F

- INDY R2000
- Anti-collision Algorithm
- Waterproof Design, Thick and Durable
- Three Modes for Inventory
- 18000-6C Full Compatible
- Easy and Reliable Installation
- Resist Bad Environment
- Hardware System Halt Detection
- Excellent Cooling Design
- Antenna Connection Detection

## Connector Name Description

Connector	Name	Description
5PIN Connector	WG0	WG0
	WG1	WG1
	GND	GND
	485A	RS485A
	485B	RS485B
4PIN Connector	OUT1-1	relay1-NO
	OUT1-1	relay1-COM
	OUT2-1	relay2-NO
	OUT2-1	relay2-COM
3PIN Connector	IN1	GPIO 1 Input +
	GND	GPIO Input -
	IN2	GPIO 2 Input +
RJ45	TCP/IP	
RS232	RS232	
DC12~24V	DC Input	



## Order Information

Product #	RTEC-R2228
Product Name	R2228-F Reader