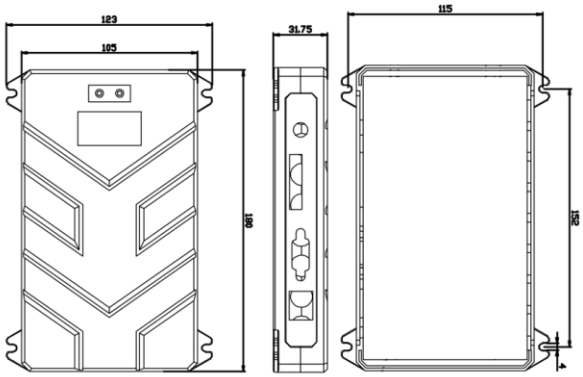
UHF RFID Reader

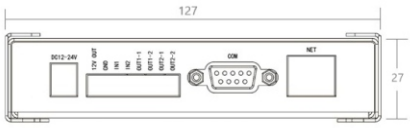
RTEC R3900-F

- INDY R2000
- Anti-collision Algorithm
- Fast 8-Antenna port, TNC connection
- Two Modes for Inventory
- 18000-6C Full Compatible
- Low-Power Design
- Hardware System Halt Detection
- Excellent Cooling Design
- Antenna Connection Detection

Device Spec

Dimensions	180 x 123 x 31.75 mm
Weight	700 g
Material	Die-cast aluminum
Input Voltage	DC 12~24V
Standby Current	<100mA
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
Tag RSSI	Supported
Antenna Detector	Supported
Ambient Temp Monitor	Supported
Host Communication	RS-232, TCP/IP
GPIO	2 input optical coupling 2 output coupling
Band Rate	115200 bps
Cooling Mode	Air cooling
PW/RUN	Red: Power on ; Blue: Reading





Connector Description

DC12~24V	Power Input, Input Voltage: DC 12~24V; (Default: 12V/5A)
12VOUT	DC12V Output
GND	Ground【Can be GPIO Input -】
IN1	GPIO 1 Input +
IN2	GPIO 2 Input +
OUT1-1	relay1-NO
OUT1-2	relay1-COM
OUT2-1	relay2-NO
OUT2-2	relay2-COM
COM	RS232
NET	TCP/IP

Order Information

Product #	RTEC-R3900
Product Name	R3900-F Reader

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