

# HYR836

## UHF RFID 4 Ports Reader

### Brief Introduction

- Support EPC C1Gen2 V2.0 and EPC C1Gen2 V1.2;
- Support ISO18000-6C;
- Support ISO18000-6B;
- Support GB29768;
- Max output power is 31dBm , max read range is up to 15m;
- Support 4 RP-TNC female antenna ports ;
- Support temperature protection , automatically stop working when the temperature exceed 85 degrees Celsius . And restart work when the temperature is below 85 degrees Celsius;
- Support antenna failure detection;
- Support Network port、 RS232、 USB、 RS485/GPIO etc;
- Support POE、 4G、 WIFI option;
- Suitable for garment, retail, electricity, books, warehousing, industrial automation.

### Technical data

Item	Technical data	Remark
Peak Current	600mA	Max output power@12V
Frequency range	840MHz-960MHz	
Default working frequency	Frequency hopping	Frequency interval 250KHz
Frequency hopping speed	≤2s	
Max Tx power	31dBm	
Stepping interval	1dB	5 ~ 31dBm, adjustable by software
Radio-frequency power rising time	≤500μs	
Radio-frequency power dropping time	≤500μs	
Adjacent channel power leaking ratio	≤-40dB	±1CH
	≤-60dB	±2CH
Frequency stabilizing ratio	±10ppm	-25°C ~ +40°C
	±20ppm	-40°C ~ +60°C
Max reading range	15m	8dBi Antenna
Muti-tags read rate	200pcs/s	

**Winnix**

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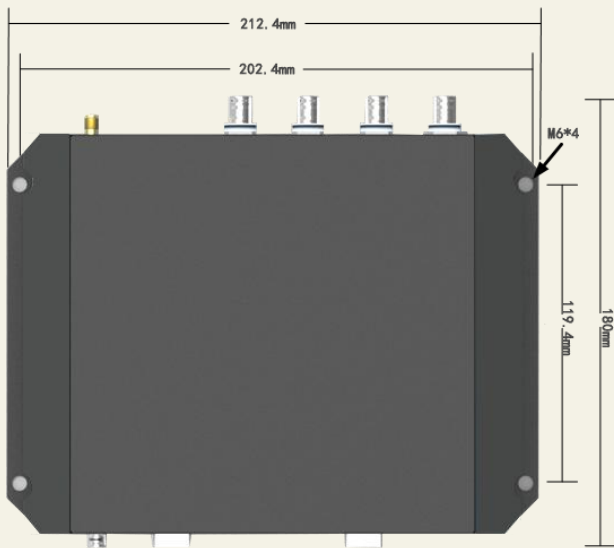
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## Appearance and structure

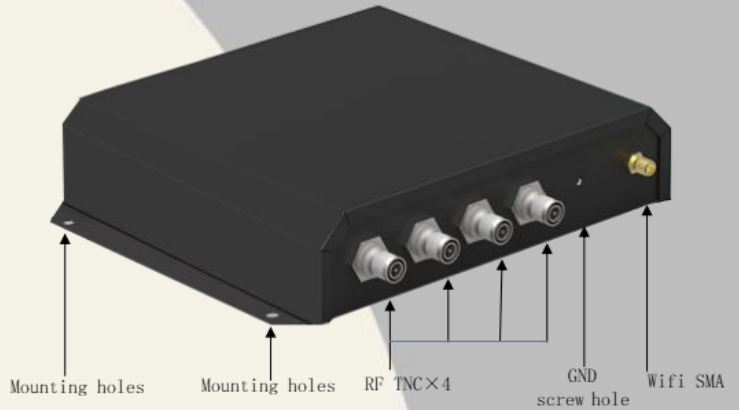
Size: 212.4×180×45mm

weight: 1280g



## Environment requirement

Item	Technical data	Remark
Working temperature	-20°C ~ +70°C	
Storage temperature	-40°C ~ +85°C	
Relative humidity	10%RH ~ 90%RH	non-condensing



## Terminal Interface define

No	Item	Signal direction	Remark
1	GND		
2	12V	Output	
3	RL+		Relay positive
4	RL-		Relay negative
5	IO1	ouput	5V output, optical coupler isolation, Wiegand configurable
6	IO2	ouput	5V output, optical coupler isolation, Wiegand configurable
7	IO3	Output	5V output optical coupler isolation
8	IO4	Output	5V output optical coupler isolation
9	IOA	output	12V output,100mA
10	IOC	Output	12V output,100mA
11	GND		
12	RS485A		
13	RS485B		
14	NC		
15	IO5	Input	optical coupler isolation,NPN
16	IO6	Input	optical coupler isolation,PNP,3-5V
17	IO7	Input	optical coupler isolation,NPN
18	IO8	Input	optical coupler isolation,PNP,3-5V
19	IOB	output	12V output,100mA
20	IOD	output	12V output,100mA

