

HYR833

UHF RFID 8 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 8 SMA 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 FastID、Tagfocus、QT、QTWrite、QTRead、BlockWrite、BlockErase、BlockPermalock、 Etc;

Support Ultra-fast label writing mode, writing 12 bytes EPC within 50ms;

Support antenna port \pm 8K ESD、 \pm 1K Surge test, high reliable

Support Network port、RS232、USB、RS485/GPIO etc

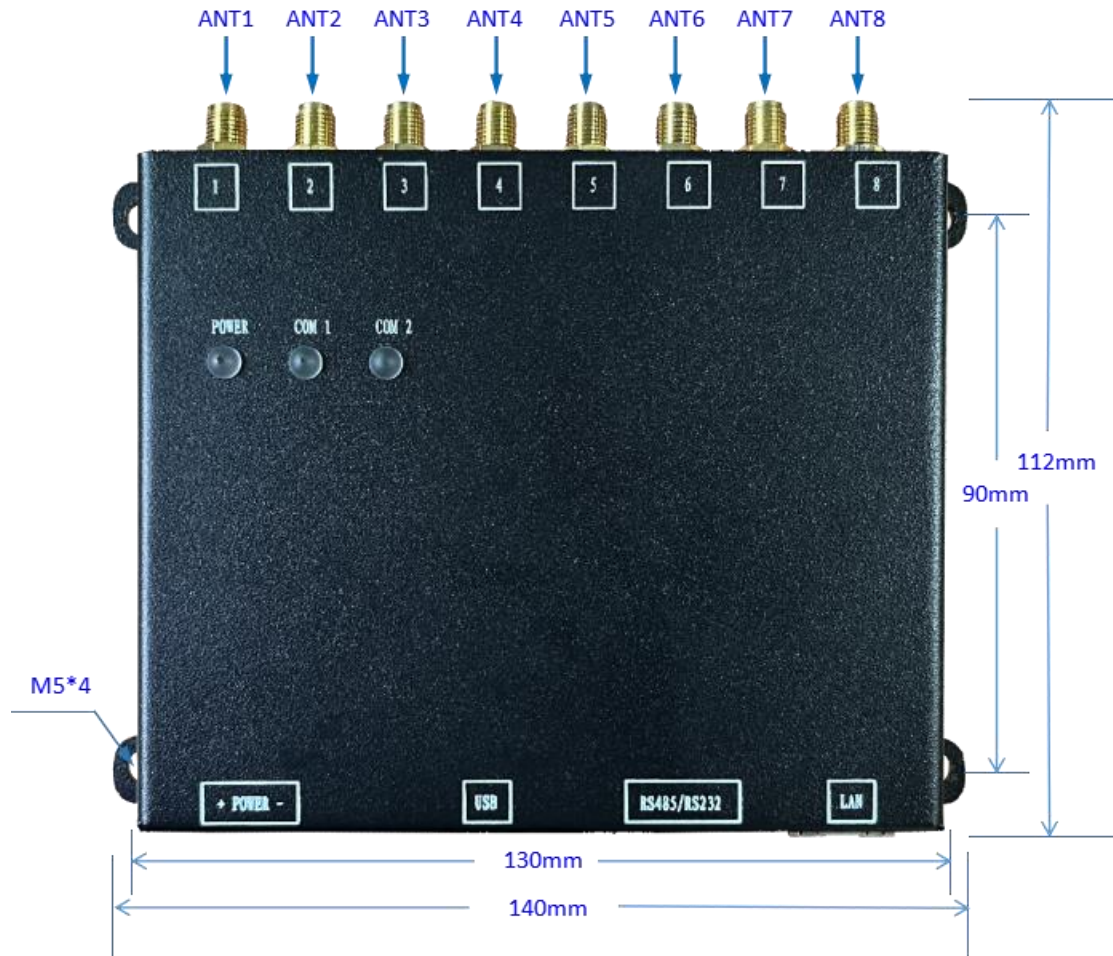
Suitable for garment, retail, electricity, books, warehousing, industrial automation and other industries;

Technical data

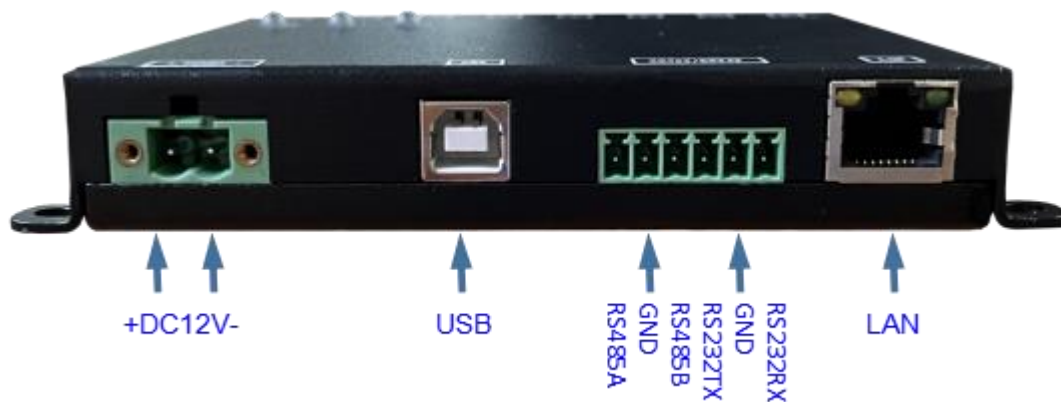
Item	Technical data	Remark
Peak Current	600mA	Max output power@12V
Frequency range	840MHz-960MHz	
Defaul working frequency	Frequency hopping	Frequency interval 250KHz
Frequency hopping speed	$\leq 2s$	
Max Tx power	31dBm	
Stepping interval	1dB	5 ~ 31dBm, adjustable by software
Radio-frequency power rising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

Appearance and Structure

- Size (L×W×H) : 140×115×30mm
- Weight: 350g
- Positioning holes: 130*90mm ϕ 5mmScrew



Terminal Interfaces



6PIN 3.81mm terminal block interface definition:

No.	Item	Signal Direction	Functionality/compatibility description
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1	RS485A		RS485A
2	GND		Ground
3	RS485B		RS485B
4	RS232_TX	Output	RS232_TX
5	GND		Ground
6	RS232_RX	Input	RS232_RX

RF interface

SMA Female

Environment

No.	Item	Technical data	Unit	Remark
1	Working temperature	-40~+70	°C	
2	Storage temperature	-40~+85	°C	
3	Relative humidity	10%~90%	RH	