HYR860

Integrated UHF RFID Reader

Products characteristics

- HYR860 adopts Impinj R2000 module , Max. power output is 30dbm
- Built-in8dbi circular polarization antenna, reading distance up to 10 meters
- Reading speed is 400tags/s
- Standard interfaces as RJ45, RS232, GPIO_IN*1, GPIO_OUT*2, POE(optional)meet different client's requirements.
- Standard power supply is 12V DC
- Built-in hardware watchdog and interface protection circuit, suitable for complex industrial

Technical Parameter

Item	Technical data	Remark
Operating voltage	12V	
Max.power consumption	10W	
Standy current	≤150mA	
Frequency Range	840MHz~960MHz	Default 902-928MHz , Customized optional
Default operating frequency	Frequency hopping	Frequency Interval 250KHz
Channel bandwidth	250KHz	
Frequency hopping speed	≤2S	
Maximum power output	30dBm	EIRP 36dBm
Step interval	1dB	5~30dBm adjustable by software
Air protocol	EPC C1G2/ISO18000-6C	
Radio-frequency power rising time	≤500μs	
Radio-frequency power dropping time	≤500μs	
Frequency stabilizing ratio	±10ppm	-25℃ ~ +40℃
	±20ppm	-40℃ ~ +60℃
Multi-Label	>400/s	

Environment requirement

Item	Technical data	Remark
Working temperature	-20℃ ~ +60℃	
Storage temperature	-40℃ ~ +85℃	
Relative humidity	5%RH ~ 95%RH	Non-Condensing

Winnix

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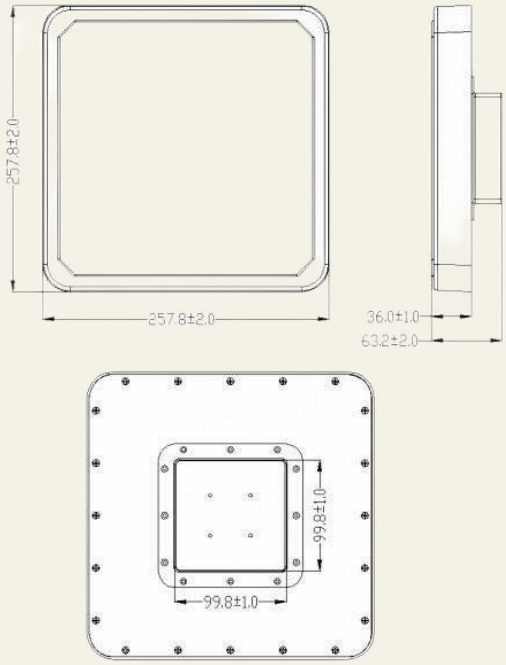
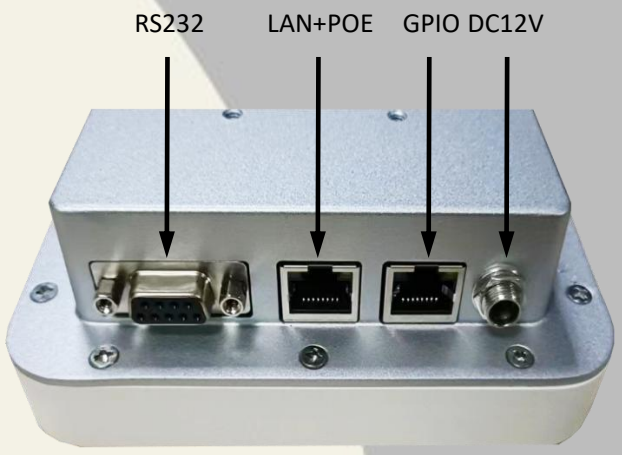
Appearance and structure

Size(L*W*H)：258mm×258mm×63mm

Net Weight：1kg　　Gross Weight：2.3kgg





GPIO Interface Definition

Pin	Signal name	Signal direction	Function/compatibility description	Remark
1	GPIO1	Output		Optical isolation
2	GPIO2	Output		Optical isolation
3	GPIO3	Input		Optical isolation
4	GND			
5	GND			
6	GND			

FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.