



4 Ports UHF RFID Impinj R2000 reader YR8700

Applications:

1. assets/Logistics and Warehouse management;
2. The longest reading distance is up to 30m
3. It can read multiple tag, 1-500tags/second
2. personal/gate/Parking car control system;
3. Manufacturing management;
4. Products anti-counterfeiting detection;
5. Other field: club management, library, school student student's attendance management and marathon/racing/ bike/swimming pool system etc.

Features:

- 1、The best performance in RFID industry Powered by INDY IMPINJ R2000 chip
- 2、The longest reading distance is up to 30m
- 3、It can read multiple tag,1-500tags/second
- 4、apply in outstanding anti-interference performance
and anti-collision ability arithmetic DRM arithmetic
- 5、ISO 18000-6C and ISO 18000-6B compatible.
- 6、Robust and refined industrial design.
- 7、abundant function ,Read labels can flexibly choose caching mode and real-time mode,GPIO 4 road and supports RS485
- 8、Internal software has been optimized repeatedly,and it provide the fastest operating efficiency and the most succinct development ports
- 8、Cast aluminum body, good heat dissipation.
- 9、Low power consumption.
- 10、Optimized firmware, highest efficiency and easy to be Integrated.
- 11、it is the industrial design and the core components is for the military level.there isn' t no apparent thermal after a long time
- 12、provide free SDK

Parameter:

Model	YR8700
Size	230 mm x 210mm x 27mm
Operating frequency	860Mhz - 960Mhz

	or 865-868mhz 902-928mhz
Chip	Indy IMPINJ r2000 chip
Weight	1.9KG
Read range	1-35m(depend on tag and antenna)
Read tag	Multiple tag ,1- 500 tags/second (depend on antenna/tag and application)
Interface(connector)	Ethernet: 10/100 Base-T Ethernet (RJ45) Serial: RS-232 Console (DB9) Serial: RS-485 (Optional)
Protocol	EPC global UHF Class 1 Gen 2 ISO 18000-6C and ISO 18000 -6B
Antenna Connector	4 ports ,RP-TNC
Output Power	30dBm
Tag cache	1000 tags @ 96 bit EPC
Shell Material	Cast aluminum
Operating temperature	- 20 ° C - + 55 ° C
Storage temperature	- 20 ° C - + 85 ° C
Humidity	< 95% (+ 25 ° C)
Channel Isolation	> 30dB
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -85 DBM
Tag RSSI	Supported
Antenna Detector	Supported
Ambient Temp Monitor	Supported
Working Mode	Single/DRM
GPIO	2 inputs, 2 outputs ,optical isolated
Power supply	+12V DC @ 2A
Power Consumption	< 7W @ 30dBm RF output
Heat Dissipation	Air cooling

