



## YR8600 UHF RFID marathon reader

### Specifications:

- 1、Model Number: RFID UHF marathon race timing system
- 2、read range: 3-35M
- 3、Frequency: 860Mhz-960Mhz
- 4、Peak inventory speed : more than 500tags/sec
- 5、Tag Buffer Size: 800 tags @ 96 bit EPC
- 6、Chip: INDY Impinj R2000

- 7、 interface: RS232 TCP/IP , RJ45/Ethernet
- 8、 ISO18000-6C/EPC Gen2
- 9、 4 port with 12dbi / 9dbi antenna

### Features:

- 1、 The best performance in RFID industry Powered by INDY Impinj R2000 chip
- 2、 Outstanding anti-collision ability.
- 3、 ISO 18000-6C and ISO 18000-6B compatible.
- 4、 Excellent sensitivity.
- 5、 Robust and refined industrial design.
- 6、 Cast aluminum body, good heat dissipation.
- 7、 Low power consumption.
- 8、 Optimized firmware, highest efficiency and easy to be Integrated.
- 9、 Multi layer electrical protection.
- 10、 Hardware system halt detection: Run for 24hours X 365 days without system halt.
- 11、 provide free SDK.

### Parameter:

model	YR8600
Size	230 mm x 160 mm x 28 mm

Weight	1.8 KG
Shell Material	Cast aluminum
Operating temperature	- 20 ° C - + 55 ° C
Storage temperature	- 20 ° C - + 85 ° C
Humidity	< 95% ( + 25 ° C)
Air Interface Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C  ISO 18000 -6B
operating frequency	860Mhz - 960Mhz
Supported regions	US, Canada and other regions following FCC  Europe and other regions following ETSI EN 302 208 with & without LBT regulations  Mainland China  Japan  Korea  Malaysia  Taiwan
RF Connector	TNC
Channel Isolation	> 30dB
Output Power	30dBm
Output Power Precision	+/- 1dB

Output Power Flatness	+/- 0.2dB
Receive Sensitivity	< -85 dBm
Peak inventory speed	> 500 tags/sec
Tag Buffer Size	800 tags @ 96 bit EPC
Tag RSSI	Supported
Antenna Detector	Supported
Ambient Temp Monitor	Supported
Working Mode	Single/DRM
Host Communication	Ethernet: 10/100 Base-T Ethernet (RJ45)  Serial: RS-232 Console (DB9)  Serial: RS-485 (Optional)
GPIO	2 inputs, 2 outputs ,optical isolated
Power Source	+12VDC @ 2A
Power Consumption	< 6W @ 30dBm RF output
Heat Dissipation	Air cooling