

OR2110 UHF RFID four-channel reader specifications

Introduction: OR2110 is a high performance 4 antenna port reader, which can well adapt to the installation requirements of indoor or outdoor environment. The OR2110 reader is based on the M-2800 UHF RFID reader module, and its core chip is IMPYJ 2000 from INPIN R. It is a reader that is easy to install and flexible to deploy.

Item	Parameter
Size	230mm(L) x 160mm(W) x 28mm(H)
Weight	1.8 Kg
Body material	Die-cast aluminum alloy
Input voltage	DC 12V ~ 18V
Standby current	<70mA
Sleep state current	<100uA
Maximum working current	600mA +/- 5% @ DC 12V Input Maximum peak current 1.2A +/- 10% @ DC 12V Input
Operating temperature	-20 ° C ~ +55 ° C
Storage temperature	-20 ° C ~ +85 ° C
Working humidity	< 95% (+ 25 ° C)
Air interface protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C / ISO 18000-6B
Operating	860MHz - 960MHz

spectrum range	
Work area support	US, Canada and other regions following U.S. FCC Europe and other regions following ETSI EN 302 208 Mainland China, Taiwan, Japan, Korea, Malaysia
Output Power	0 - 33dBm
Output RF connector	TNC/RP-TNC
Output power accuracy	+/- 1dB
Output power flatness	+/- 0.2dB
Receive sensitivity	< -85 dBm
Peak inventory speed	> 700 shots / second
Tag buffer	1000 tags @ 96 bit EPC
Label RSSI	Support
Antenna connection protection	Support
Ambient temperature monitoring	Support
Operating mode	Stand-alone / intensive
Communication Interface	RS-232 or TCP/IP

GPIO	2 input optical coupling 2 output optical coupling
Maximum communication baud rate	115200 bps
Cooling method	Air cooling