MORX RFID

DESCRIPTION

- Impinj E710 chip engine
- Max inventory speed 800 tags/s
- Support multi-antenna ports anti-collision polling inventory
- Support RSSI recognize tags signal distance
- Support multiple c#,java,vc language for development
- Applications: Warehouse Inventory management, Production control ,
- Asset tracking, laundry management ,intelligent cabinet , waste collection management etc.

RFID Technical Parameter

Engine	Impinj E710 chip
Frequency	902~928MHz (US), 865~868MHz (EU)
Protocol	ISO18000-6C (EPC GEN2)
RF Output Power	0dbm—33dbm(adjustable)
Inventory speed	800 tags/s
Data Cache	600pcs @ 128bits EPC
Reading Distance	0—25 meter
Anti-collision	Multi-antenna ports, polling fast inventory
Work Mode	Active mode, Answer mode
RSSI	Support

Physical Specification

Material	Die-cast Aluminum
Dimension	184*161.7*26mm
Net Weight	0.6kg
Package size	200*255*100mm
Gross weight	1.3kg

Data Communication

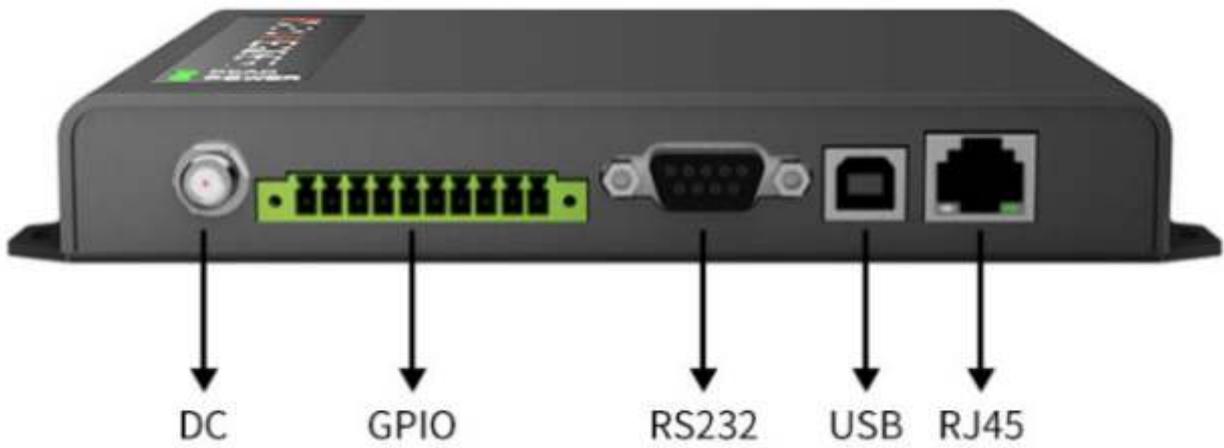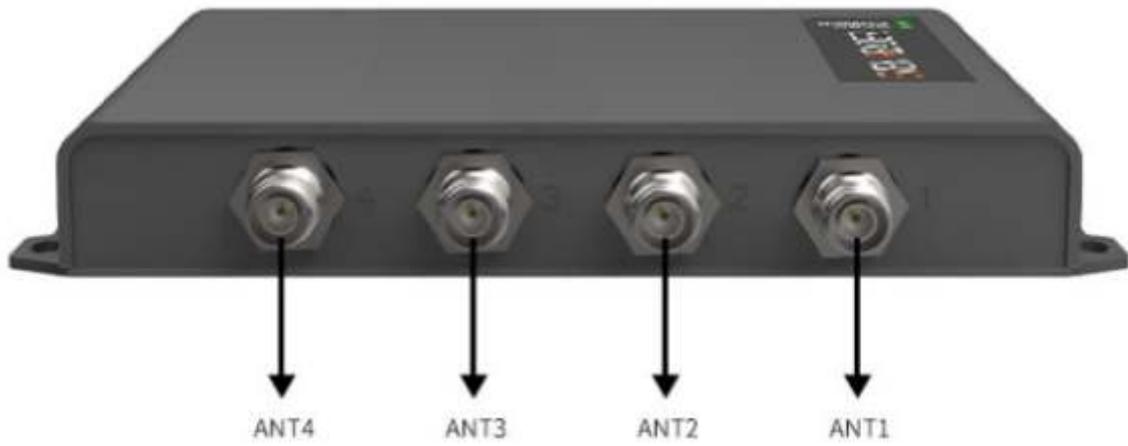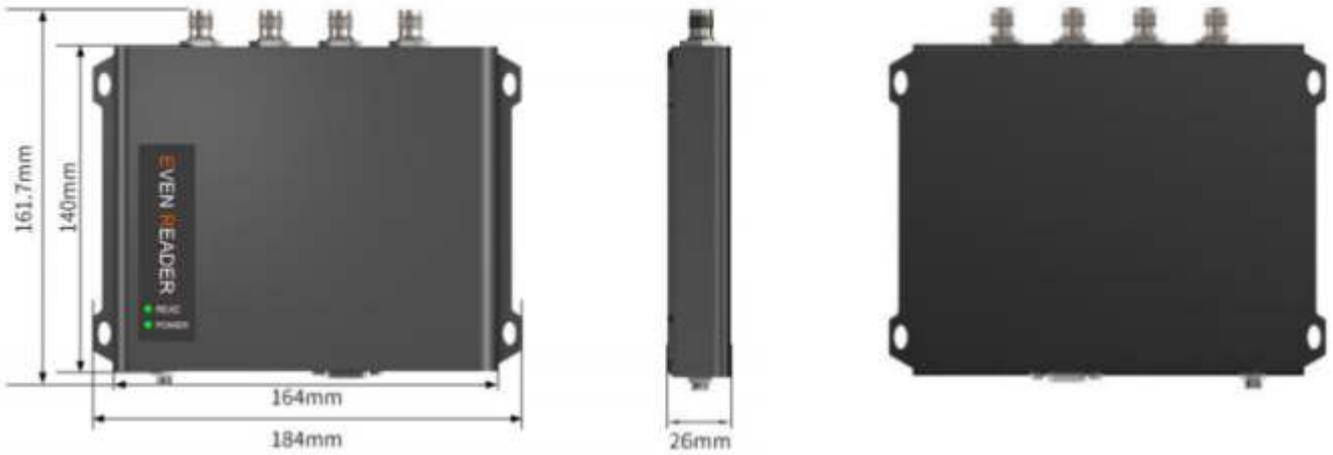|	
Standard Interface	USB, RS232, TCP/IP, GPIO
Customized Interface	POE(mode A/mode B af)
GPIO Interface	2 sets of GPI & 2 sets of GPO
Antenna Port	4 Channel RP TNC Female
Power Supply	12V 2 A
Current Consumption	0.5~1.2A

Development Environment

SDK	Include Demo software, API, Sample, User Manual
Development Language	Support C#, java-jni, java-linux, VC, Android
Hardware Firmware	Support Remote upgrade

Working Environment

IP grade	IP55
Operating temperature	-10-+60℃
Storage temperature	-20-+75℃

MIVANTA

161.7mm
140mm
164mm
184mm
26mm

ANT4   ANT3   ANT2   ANT1

DC   GPIO   RS232   USB   RJ45

MIVANTA

GPIO Pins Definition		
No	**Symbol**	**Content**
1	Output1R	Universal optocoupler isolated output 1+
2	Output1L	Universal optocoupler isolated output 1-
3	Output2R	Universal optocoupler isolated output 2+
4	Output2L	Universal optocoupler isolated output 2-
5	GND	Signal ground
6	Input1+	Universal optocoupler isolated output 1+
7	Input1-	Universal optocoupler isolated output 1-
8	Input2+	Universal optocoupler isolated output 2+
9	Input2-	Universal optocoupler isolated output 2-
10	GND	Signal ground

RS232 D89 Pins Definition		
No	**Symbol**	**Content**
1	NC	reserve
2	RXD	RS232 data input
3	TXD	RS232 data output
4	NC	reserve
5	GND	grounding
6	NC	reserve
7	NC	reserve
8	NC	reserve
9	NC	reserve