# EZ-Tagchecker

4 Ports UHF RFID Tag Quality Measurement Instrument

- Specialized equipment for label production testing automation industry.
- Global standards EPC Gen2 Class1 V1.2, EPC Gen2 Class1 V2.0 and ISO 18000-6C.
- GPIO signal triggers to read 96bit EPC plus 96bit TID, with a maximum speed of 15ms/time.
- Read 96bit EPC plus 96bit TID continuously, with a maximum speed of 8ms/time.
- Support simultaneous writing of EPC, kill password, access password, USER, locking (supporting chip NXP U8, Impinj R6 tag special locking mode), unlocking.
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- Specifying TID coding mode and EPC coding mode is available.
- 7×24 hours continuous works with maintenance-free.
- Special instructions such as FastID、Tagfocus、QT、QTWrite、QTRead、BlockWrite、BlockErase、BlockPermalock.
- Ultrafast writing tag mode, able to write 12 bytes EPC within 50ms.
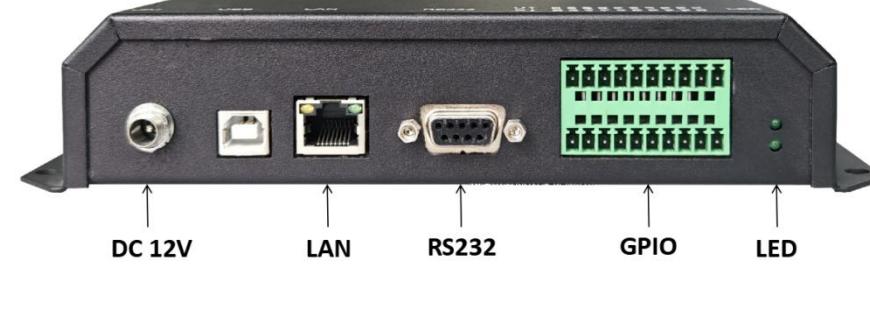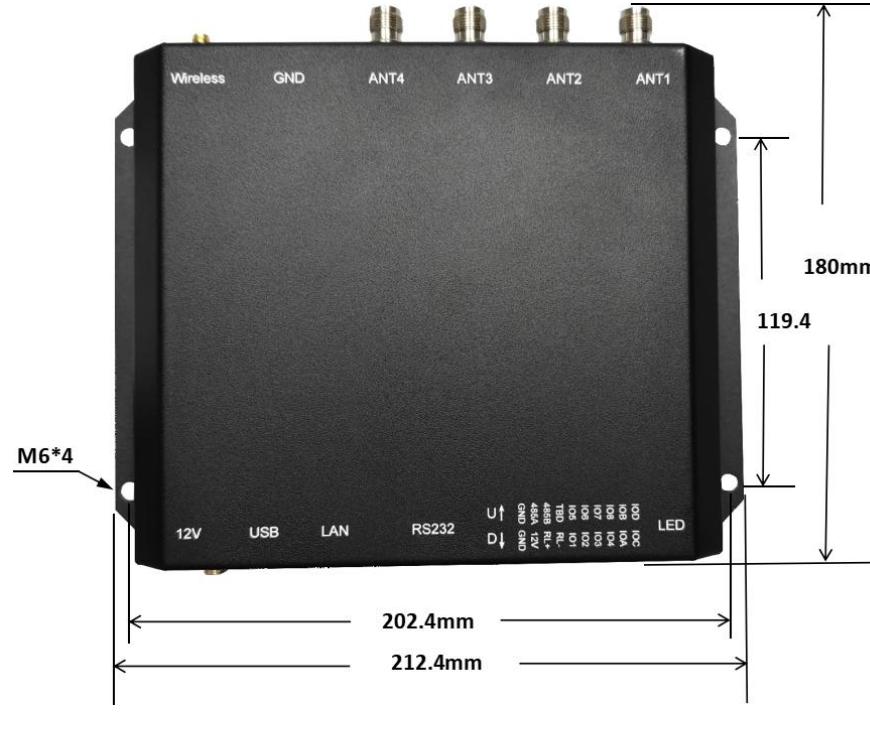
Physical Parameters

Dimensions（L×W×H）	212.4mm×180mm×45mm
Weight	1280g
Mounting Hole	Screw(M6)×4
Body Material	Aluminum alloy
Antenna Interface	RP-TNC Connector(male)×4
Communication interface	GPIO in×4,GPIO out×4,LAN×1,RS232×1

Ambient Conditions

Operating temperature	-40℃ to +60℃
Storage temperature	-40℃ to +85℃
Relative humidity	10%RH to 90%RH
Static resistance	Contact discharge: ±8kV

Function Parameters

Tag RSSI and Phase	Support
Antenna wring protection	Support
Ambient temperature detection	Support
Antenna supported	Equipped with Easyrfid's proprietary antenna combination to prevent missed readings and serial readings.

Technical Data

Item	Technical indicators	Remark
Input Voltage	12V	Special version can support 30V input
Peak current	700mA	Max. output power 12V
Frequency range	902MHz~928 MHz	
Rated power	5dBm~30dBm	
Stepping interval	1dB	5 to 30dBm adjustable via software
Reception sensitivity	-80dBm	
GPIO signal triggered	15ms/time	96bit EPC plus 96bit TID
Continuous reading	8ms/time	96bit EPC plus 96bit TID

Definition of 20-pin 3.81mm Connector

Pin	Name	Signal Dierection	Remark	Pin	Name	Signal Dierection	Remark
1	GND			15	IO5	Input	Optical isolation，NPN
2	12V	Output		16	IO6	Input	Optical isolation，PNP，12V to 24V
3~8	NC			17	IO7	Input	Optical isolation，NPN
9	IOA	Output	12V output, 100mA	18	IO8	Input	Optical isolation，PNP，12V to 24V
10	IOC	Output	12V output, 100mA	19	IOB	Output	12V output, 100mA
11	GND			20	IOD	Output	12V output, 100mA
12~14	NC						