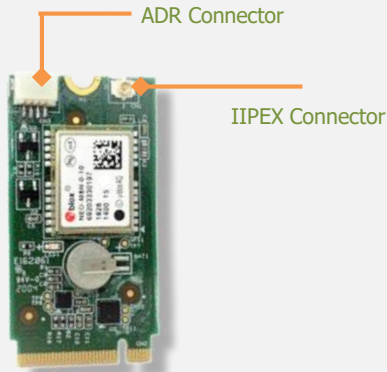


# ANNA-M01L1

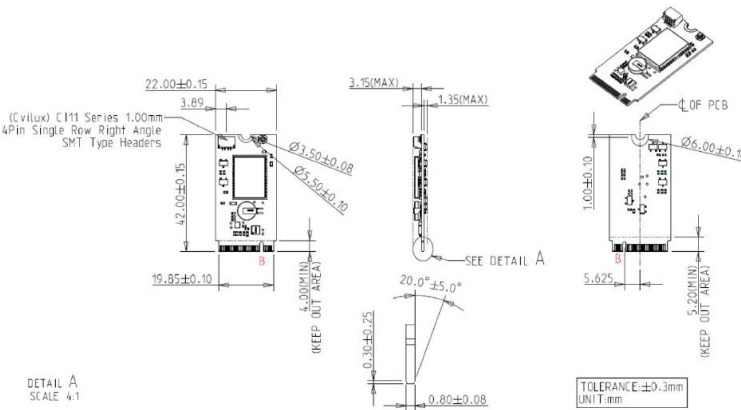
## M.2 to GNSS Module

### Features

- M.2 Type 2280 B Key (USB Interface)
- Built in u-blox NEO-M8 GNSS module (GPS, GLONASS, BeiDou, Galileo, QZSS and SBAS)
- Support Dead Reckoning Features: UDR or ADR
- Support baud rate 125/250/500/800/1000K bps
- Industrial Temperature (-40°C to +85°C) support
- Industrial design, manufactured in Innodisk Taiwan



### Mechanical Drawing



4Pin Connector Pin Define	
1	NC
2	Reverse Signal
3	Wheel-tick Signal
4	GND

ADR DB9 Connector Pin Define	
1	Wheel-tick Signal
2	NC
3	GND
4	NC
5	NC
6	Reverse Signal
7	NC
8	NC
9	NC

### Specifications

Form-Factor	M.2 2242 B-Key
Input I/F	USB 2.0(FS)
GNSS Module	U-blox NEO-M8 Series
Receive Type	72-channel u-blox M8 engine Concurrent reception of up to 3 GNSS (GPS, Galileo, GLONASS, BeiDou)
Dead Rckoning	Support UDR or ADR(with cable)
Dimension (WxLxH)	22 x 42 x 5.8 mm
Temperature	ST: -20°C ~ +60°C (with Li-coin battery) WT: -40°C ~ +85°C (w/o Li-coin battery)
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	Windows: 10(32/64bit) Linux: Kernel 4.4 and above (Native CDC-ACM driver), Ubuntu 16.04/22.04 LTS, SocketCAN, 32/64bit

### Order information

**ANNA-M01L1**

M.2 to GNSS Module

**ANNA-M01L1C**

M.2 to GNSS Module, with ADR Cable

**Headquarters (Taiwan)**  
5F., No.237, Sec. 1, Datong Rd.,  
Xizhi Dist., New Taipei City 221,  
Taiwan

Tel: +886-2-7729-9223  
Email: sales@antzer-tech.com

[www.antzer-tech.com](http://www.antzer-tech.com)

© 2023 Antzer Tech.  
All right reserved. Specifications  
are subject to change without  
prior notice.

August 2, 2023