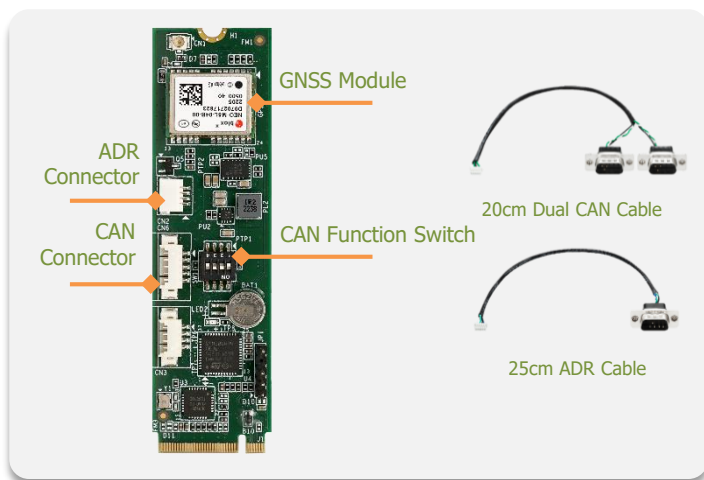
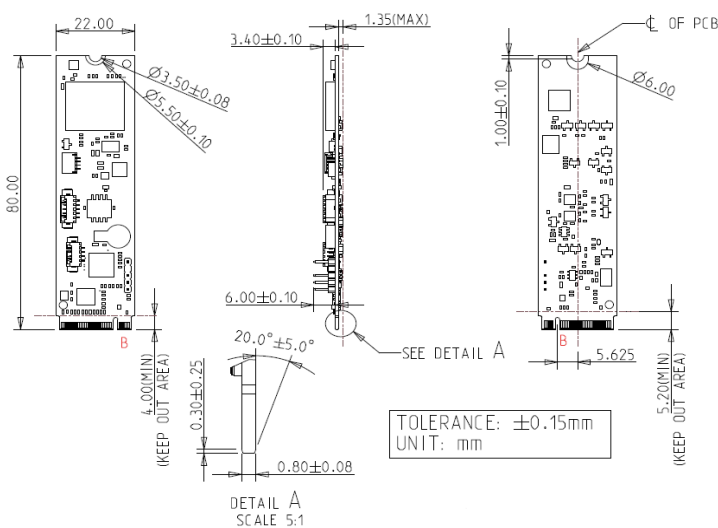




Features

- M.2 2280 B-Key
- CAN bus 2.0B backward compatible with 2.0A
- Support baud rate 125/250/500/800/1000K bps
- CAN FD baud rate support 2M, 4M
- Up to 10000 CAN messages per second (receive data)
- Built-in Programmable CAN Identifier Filtering
- Built-in u-blox M9 GNSS module
- 92-channel Concurrent reception of up to 3 GNSS (GPS, Galileo, GLONASS, BeiDou)
- Support Dead Reckoning Features: UDR or ADR
- Support Linux SocketCAN
- Termination resistor enabled/disabled by switch
- Industrial design, manufactured in Innodisk Taiwan

Mechanical Drawing



Specifications

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

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prior notice.

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Form-Factor	M.2 2280 B
Input I/F	USB 2.0(FS)
Output I/F	CAN FD / CANbus 2.0B x 2
GNSS Receive Type	92-channel u-blox M9 engine Concurrent reception of up to 3 GNSS (GPS, Galileo, GLONASS, BeiDou)
Deck Reckoning	UDR/ADR
Power Consumption	MAX: 0.67W (3.3V, 202.5mA)
Dimension (WxLxH)	22 x 80.9 x 6.0 mm
Temperature	-40°C ~ +85°C (Without Battery) -20°C ~ +60°C (With Battery)
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	Windows: 10(64bit) Linux: Kernel 4.4 and above (Native CDC-ACM driver), Ubuntu 16.04/22.04 LTS, SocketCAN, 64bit

Order information

GADN-MD7L0

M.2 to dual CAN FD and GNSS Module