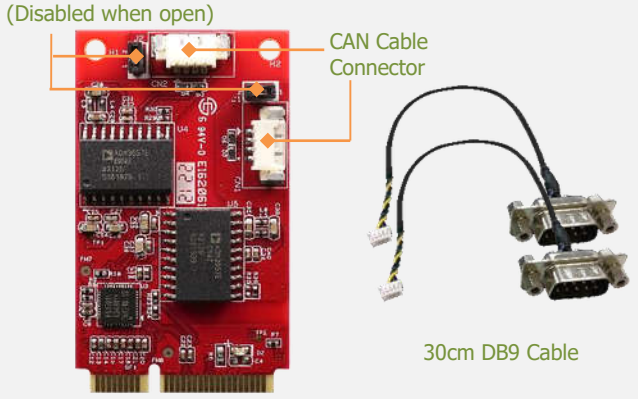
EMPC-B2S1

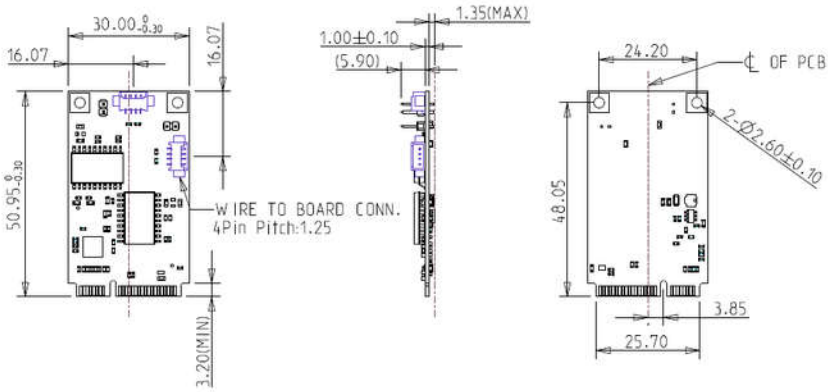
mPCIe to dual isolated CANbus 2.0B/J1939/CANopen



Features

- Compliant with PCI Express 1.1
- Meet the Requirements of the ISO 11898-1
- CAN bus 2.0B backward compatible with 2.0A
- Support baud rate 10/20/50/100/250/500/800/1000K
- Support CAN message acceptance filter
- Support Linux SocketCAN
- Support SAE J1939/CANopen high layer protocol (Optional)
- Compliant with IEC 60950-1:2005 + A1: 2009 + A2:2013 2.5kV HiPOT protection
- Compliant with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Termination resistor enabled/disabled by jumper
- 30μ" golden finger, 3-year warranty
- Industrial Temperature (-40°C to +85°C) support
- Industrial design, manufactured in Innodisk Taiwan

Mechanical Drawing



CAN Connector Pin Define	
1	NC
2	CAN-H
3	CAN-L
4	GND

CAN DB9 Connector Pin Define	
1	NC
2	CAN-L
3	GND
4	NC
5	NC
6	NC
7	CAN-H
8	NC
9	NC

Specifications

Form-Factor	mPCIe
Input I/F	PCI Express 1.1
Output I/F	CANbus 2.0B
Output Connector	DB-9 x 2
Power Consumption	MAX: 2.834W (3.3V, 859mA)
Dimension (WxLxH)	30 x 50.9 x 8.25 mm
Temperature	Operation: W/T: -40˚C ~ +85˚C Storage: -55˚C ~ +95˚C
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	Download driver and API from MyInnodisk website. Windows: 7(32/64bit), 8/8.1(32/64bit), 10(32/64bit) Linux: SocketCAN driver from Kernel 2.6.38 and above (32/64bit)

Order information

EMPC-B2S1-W1 (CAN 2.0B)
mPCIe to dual isolated CANbus 2.0B module

EMPC-B2S1-W2 (J1939/CANopen)
mPCIe to dual isolated J1939/CANopen module

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