



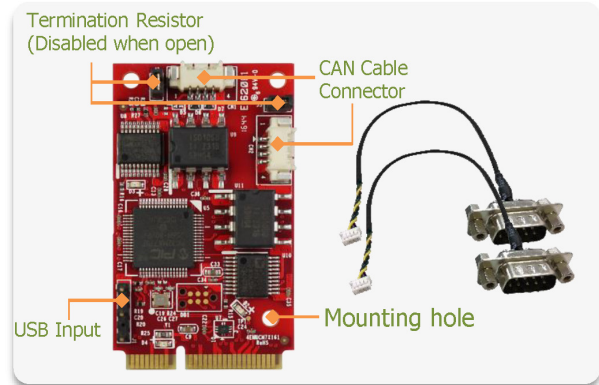
EMUC-B202-Series

# EMUC-B202-Series

USB to dual isolated CANbus 2.0B/ J1939/ CANopen

## Features

- CANbus 2.0B backward compatible with 2.0A
- Support baud rate 100/125/250/500(default)/800/1000K
- Support CAN message acceptance filter
- Keep configuration after hardware reboot
- Up to 6000 CAN messages per second (receive data)
- Additional driver to support Linux SocketCAN
- Termination resistor enabled/disabled by jumper
- Complies with EN61000-4-5 2.5kV Surge protection
- Support Listen-only mode
- Support SAE J1939/CANopen high layer protocol (Optional)
- Complies with IEC 60950-1:2005 + A1: 2009 + A2:2013 2.5kV HiPOT protection
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Supports 3rd mounting hole and USB Pin header for out-ofminicard installation
- 30μ" golden finger, 3-year warranty
- Supports -40 to +85 degrees



CAN DB9 Connector Pin Define		USB In Pin Define	
1	NC	1	5V
2	CAN-L	2	D-
3	GND	3	D+
4	NC	4	GND
5	NC	CAN Connector Pin Define	
6	NC	1	NC
7	CAN-H	2	CAN-H
8	NC	3	CAN-L
9	NC	4	GND

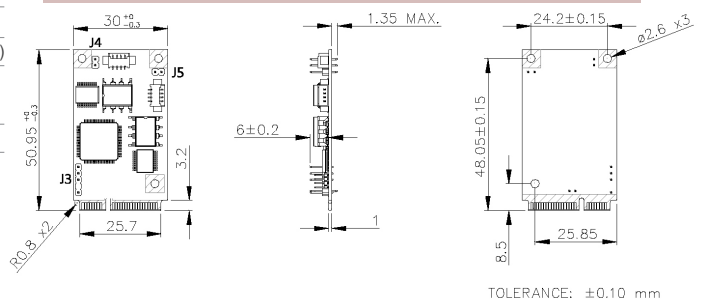
## Specifications

System	
Form-Factor	mPCIe
Input I/F	USB 2.0
Output I/F	CANbus 2.0B
Output Connector	2 x DB-9
Power Consumption	1.62W (3.3V, 490mA)
Dimension	30(W) x 50.9(L) x 8.35(H) 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: XP(32bit), 7(32/64bit), 8/8.1(32/64bit), 10(32/64bit) Linux: Kernel 2.6 and above (Native CDC-ACM driver), Kernel 2.6.38 and above (SocketCAN Driver), 32/64bit QNX: 6.6

## Ordering Information

EMUC-B202-W1 (CAN2.0B, Wide Temp.)	USB to dual isolated CANbus 2.0B Module
EMUC-B202-W2 (J1939, Wide Temp.)	USB to dual isolated CANbus J1939 Module
EMUC-B202-W3 (CANopen, Wide Temp.)	USB to dual isolated CANbus CANopen Module

## Mechanical Drawing



All specifications are subject to change without notice.

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EMUC-B202-Series

## CANbus Module Comparison

CANbus Module (O: support X:Not Support)			
Model	EMUC-B202		
P/N	EMUC-B202-W1	EMUC-B202-W2	EMUC-B202-W3
Support protocol	2.0B	2.0B/J1939	2.0B/CANopen
Input Interface	USB 2.0		
Output ports	2		
Supported API (v1 and v2 are not compatible with each other)			
Basic CAN 2.0B (v1.0.0)		X	
Basic CAN 2.0B (v2.0.0)		O	
J1939	X	O	X
CANopen	X	X	O
Supported baud rate (Kbps)			
50K		X	
100K		O	
125K		O	
250K		O	
500K		O	
800K		O	
1000K		O	
Feature			
HiPOT	2500V		
Surge	2500V		
ESD	Air-15kV, Contact-8kV		
Temperature	-40~+85°C		
Performance	6000 frames/sec		
SocketCAN	O		
Acceptance filter	O		
Save config	O		
CAN inactive mode	O		
Listen mode	O		
Error status	O		
Firmware upgrade	O		

## Assured Systems

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### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508  
Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050  
Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28  
Business Registration Number: 07699660