

## EMUC-B202

mPCIe to Dual Isolated CAN 2.0B / J1939 / CANopen

### HIGHLIGHT FEATURES

- Compliant with ISO 11898-2
- Supports baud rate up to 100 / 125 / 250 / 500 (Default) / 800 / 1000K
- Up to 7,800 frame/s (Receiving at 1Mbps, EID, 8byte Data)
- Additional driver to support Linux SocketCAN
- Supports SAE J1939 / CANopen high layer protocol (Optional)
- Complies with IEC 60950-1 : 2005 + A1 : 2009 + A2 : 2013 2.5kV HiPOT Protection
- Complaint with EN61000-4-2 (ESD) Air-15kV, Contact-8kV

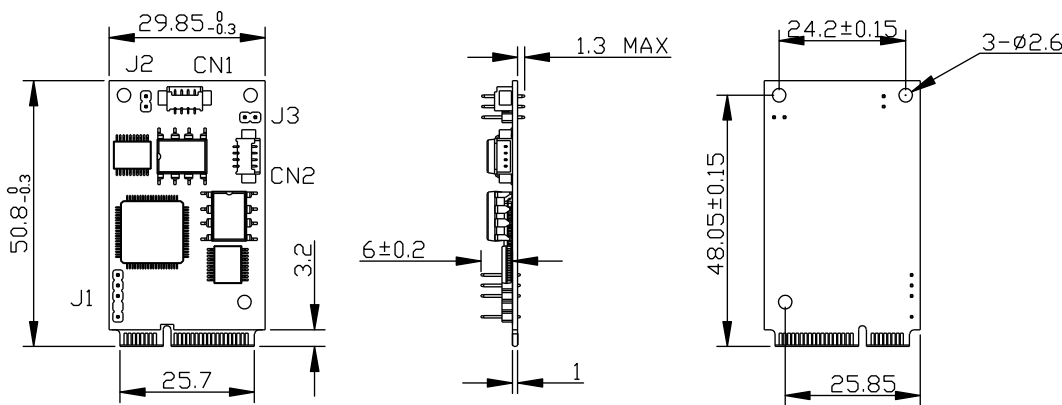
### SPECIFICATIONS

|                          |                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model Name               | EMUC-B202                                                                                                                                                                                                  |
| Module Type              | mPCIe to Dual Isolated CAN 2.0B / J1939 / CANopen                                                                                                                                                          |
| Form Factor              | mPCIe                                                                                                                                                                                                      |
| Function                 | CAN Bus                                                                                                                                                                                                    |
| Input I/F                | USB 2.0 High Speed (480Mbps)                                                                                                                                                                               |
| Output I/F               | CAN Bus 2.0B                                                                                                                                                                                               |
| Output Port              | 2                                                                                                                                                                                                          |
| Output Connector         | DB-9                                                                                                                                                                                                       |
| Max. Power Consumption   | 3.33W (5V, 665mA ; 3.3V, 1008mA)                                                                                                                                                                           |
| Dimension (W x L x H/mm) | 30 x 50.9 x 8.35                                                                                                                                                                                           |
| Temperature              | Operation : W/T -40°C ~ 85°C (Ta)<br>Storage : -55°C ~ 95°C (Ta)                                                                                                                                           |
| Vibration                | 5G@[7~2000Hz]                                                                                                                                                                                              |
| Shock                    | 50G@0.5ms                                                                                                                                                                                                  |
| OS Support               | Windows : XP (32bit), 7 (32 / 64bit), 8/8.1(32 / 64bit), 10(32 / 64bit), and above version<br>Linux : Kernel 2.6 and above (Native CDC-ACM driver), Kernel 2.6.38 and above (SocketCAN Driver), 32 / 64bit |
| Warranty                 | 3 Years                                                                                                                                                                                                    |
| Notes                    | Software API compatible with EMUC-B202 / EGPC-B201.                                                                                                                                                        |

ORDER INFO.

| P/N          | Description                                                      |
|--------------|------------------------------------------------------------------|
| EMUC-B202-W1 | mPCIe to Dual Isolated CAN Bus 2.0B Module / Wide Temperature    |
| EMUC-B202-W2 | mPCIe to Dual Isolated CAN Bus J1939 Module / Wide Temperature   |
| EMUC-B202-W3 | mPCIe to Dual Isolated CAN Bus CANopen Module / Wide Temperature |

MECHANICAL DRAWING



TOLERANCE:±0.1mm

PIN DEFINE

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