



999.00 EUR  
incl. 19% VAT, plus [shipping](#)

USB to dual isolated CANbus 2.0B Module

#### Features:

- CANbus 2.0B backward compatible with 2.0
- 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-of-minicard installation
- 30μ" golden finger, 3-year warranty
- Supports -40 to +85 degrees

#### Specifications

#### System

|                  |                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------|
| Form-Factor      | mPCle                                                                                                                    |
| Input I/F        | USB 2.0                                                                                                                  |
| Output I/F       | Isolated CANbus 2.0B                                                                                                     |
| Output connector | 2 x DB-9                                                                                                                 |
| TDP              | 1.62W (3.3V, 490mA)                                                                                                      |
| Dimensions       | 30(W) x 50.9(L) x 8.35(H) mm                                                                                             |
| Temperature      | Operation: W/T temp: -40°C ~ +85°C<br>Storage: -55°C ~ +95°C                                                             |
| Environment      | Vibration: 5G @ 7~2000Hz<br>Shock: 50G @ 0.5ms<br>Windows: XP(32bit), 7(32/64bit), 8/8.1(32/64bit), 10(32/64bit)         |
| Software         | Linux: Kernel 2.6 and above (Native CDC-ACM driver),<br>Kernel 2.6.38 and above (SocketCAN Driver), 32/64bit<br>QNX: 6.6 |

#### Ordering Information

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|             |                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Part Number | VDB-121-EMUC-B20-W1 (CAN2.0B, Wide Temp.)<br>VDB-122-EMUC-B20-W2 (J1939, Wide Temp.)<br>VDB-123-EMUC-B20-W3 (CANopen, Wide Temp.) |
| Description | USB to dual isolated CANbus 2.0B Module                                                                                           |