OBDII Special Edition

Product Specification

Specification Version: V2.07

Update Date: 2020.10.12

Model: OBDII Special Edition

Performance and technical indicators

- USB to CAN bus protocol conversion;

- 1 CAN Interface;

- USB interface supports USB3.0, USB2.0 and is compatible with USB1.1;

- Support CAN2.0A and CAN2.0B protocols, support standard and extended frames; support data frame, remote frame format;

- Supports bi-directional transmission, CAN transmit, CAN receive;

- CAN controller baud rate between 10Kbps-1Mbps is optional and can be configured by software;

- OBDII special version: CAN adopts high-speed magnetic coupling isolation, isolated DC-DC power supply; Isolation between USB and CAN;

- Isolation Voltage Level: 2500V;

- CAN channel built-in common mode coil/common mode inductor, greatly improving the anti-interference ability;

- Traffic: CAN channels (when running at the same time) reach 8500 frames/s for receiving and 8500 frames/s for transmitting respectively; (both channels receive 8500 frames/s at the same time, and the USB speed can reach up to 17,000 frames/s without losing frames)

- USB bus direct power supply, no need for external power supply;

- Operating Temperature: -40 ~ 85 ℃;

- Case Size: 150*47*22mm.

- Product Compatibility: function library compatible with Guangzhou Chou Li-gong / Zhiyuan Electronic Company ZLG-USBCAN interface adapter.

The OBDII dedicated version can directly configure, send and receive CAN bus using the provided USBCANTools tool software. Users can also refer to the provided DLL dynamic link library, VC/VB and other routines to write their own applications and conveniently develop CAN system application software products.

When using the OBDII special edition for secondary software development, there is no need to understand the complex USB interface communication protocol at all.

Implementing Technical Standards

EN 55032:2015

EN 55035:2017

EN IEC 61000-3-2:2019

EN 61000-3-3:2013+A1:2019

Product Appearance & Size