

USBCAN-8E (8-Channel CAN) Analyzer

Product Specification

Specification Version: V1.00

Update Date: 2024.1.10

Model: USBCAN-8E (8-channel CAN) Analyzer

Performance and Technical Specifications

- USB and CAN Bus Protocol Conversion
- 2 CAN Interfaces Available
- USB interface support USB3.0, USB2.0, compatible with USB1.1
- Support for CAN2.0A and CAN2.0B protocols, standard and extended frames; support for data frames, remote frame formats
- Supports bi-directional transmission, CAN transmission, CAN reception
- The CAN controller baud rate is software configurable from 10Kbps-1Mbps;
- The 8-channel CAN uses high-speed magnetic coupling isolation and double-isolated DC-DC power supply; USB and 8-channel CAN are isolated from each other by a total of 9 ports
- Isolated Voltage Level: 3000V
- CAN1 channel built-in GDT ceramic discharge tube, can effectively discharge the inrush current
- Built-in common mode coil/inductor for 8 CAN channels, greatly improving noise immunity.
- Support relay function, transparent transmission function, 3000 V isolation between CAN 1 and CAN 2
- Traffic: Two CAN channels (running simultaneously) reach 8500 frames/sec for receive and 8500 frames/sec for transmit; (two channels receive 8500 frames/sec at the same time, and USB speed can reach 17000 frames/sec without losing any frames)
- No external power required, powered directly from the USB bus
- Operating temperature: -40~85°C
- Case size: 181*145*28mm
- Product Compatibility: Function Library Compatible Guangzhou Chou Li-gong / Zhiyuan Electronic Company ZLG-USBCAN Interface Adapter

The USBCAN-8E is an 8-channel CAN analyzer that allows for direct configuration, sending, and receiving of CAN buses using the provided USBCANTools software. Additionally, users can utilize the provided DLL dynamic connection library, VC/VB, and other routines to develop their own applications and CAN system software products.

When using the USBCAN-8E analyzer for secondary software development, you do not need to understand the complex USB interface communication protocol.

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

