VTK-CAN-05

Main Features

- Compliant with SAE J1708 interface
- SAE J1578/J1922 OBD protocol supported
- mini-PCIe form factor for easy & quick installation
- Alternative USB interface (signal shared with mini-PCIe)
- Wide-range operating temperature
- ESD and electrical ioslated protection

Product Overview

VTK-CAN-05 module is a one-port high-speed SAE J1708 interface for USB. With mini-PCIe form factor design and a built-in 4-pin wafer by USB signal, it is easy and quick installation on any device to communication with commercial vehicle ECU. To satisfy server vehicles environments, VTK-CAN-05 can be operated on a wide-range operating temarature from -40°C to 85°C. Besides, it is built-in electrical isolation of 2.25KV and ESD level ± 8KV /15KV (contact/air) according to IEC 61000-4-2 to protect the system.

Specifications

Form Factor
- mini-PCIe form factor

PC Interface
- USB 2.0 (VCP, baud rate 57.6kbps)

I/O Connector
- 4-Pin wafer connector (USB 2.0 I/F)
- DB9 connector for J1708 (w/ an external cable)

SAE J1708
- Compliance
- Fully compatible with the ELM325 AT command set
- Support for SAE J1578/J1922 OBD protocol
- Works with standard RS485 transceivers

Dimension
- 51mm (L) x 30mm (W) (2.01" x 1.18")
- Weight: 13g

Environment
- Operating Temperatures: -40 ~ 85°C
- Storage Temperatures: -40 ~ 90°C
- Related Humidity (with system chassis): 5% ~ 90%

Electrical Protection
- IEC 61000-4-2 Electrostatic Discharge (ESD): ± 8KV /15KV (contact/air)
- Isolation protection : 2.25KV

VCP Driver
- PL2303HXC
- Windows XP/7/8/10, Android 3.2 (above)
- Linux kernel 3.x (above)

Ordering Information

- **VTK-CAN-05 (P/N: 10VK00CAN06X0)**
  SAE J1708 module, full-size mini-PCIe form factor, USB 2.0 interface