



Main Features

- Dual CAN Bus 2.0B
- mini-PCIe form factor for easy & quick installation
- Compliant with ISO 11898-1 and ISO 11898-2
- Support bit rate up to 10 kbps ~1 Mbps
- Wide-range operating temperature
- ESD Protection

Product Overview

VTK-CAN-04-RAG module is a two-port high-speed CAN bus interface for USB. With mini-PCIe form factor design, it is easy and quick installation on any device to communicate with the vehicle ECU. It complies with standard CAN2.0A and CAN2.0B according to ISO 11898-1, ISO 11898-2 with bit rate up to 1Mbit/s. To satisfy server vehicles environments, VTK-CAN-04 can be operated on a wide-range operating temperature from -40°C to 85°C. Besides, it is built-in ESD level $\pm 8KV / 15KV$ (contact/air) according to IEC 61000-4-2 to protect the system.

Specifications

Form Factor

- Full size mini-PCIe (USB 2.0) form factor

I/O Connector

- DB9 connector for 2 x CAN 2.0 B

Dual CAN 2.0B Port

- Compliant with ISO 11898-2, ISO 11898-1 (11-bit and 29-bit ID)
- Speed: 10k bps ~1M bps
- Dual 120 Ohm line termination, enabled/disabled by dip switch

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): $\pm 8KV / 15KV$ (contact/air)

Software

- VIOB-CAN-04-RAG SDK

Ordering Information

• VTK-CAN-04-RAG (P/N: TBD)

2 x CAN Bus 2.0B, full-size mini-PCIe form factor, USB 2.0 interface, DB9 cable