



Main Features

- Dual CAN FD SIC
- Mini PCIe form factor for easy & quick installation
- Compliant with ISO 11898-1 and ISO 11898-2
- Support bit rate up to 5kbps~8Mbps
- Wide-range operating temperature
- ESD Protection

Product Overview

The VTK-CAN-08 is a dual high-speed CAN FD SIC module. 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 CAN 2.0A and CAN 2.0B according to ISO 11898-1, ISO 11898-2 with bit rate up to 8Mbit/s. To satisfy server vehicles environments, the VTK-CAN-08 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 (PCIe) form factor

I/O Connector

- DB9 connector for 2 x CAN FD SIC

Dual CAN FD Port

- Compliant with ISO 11898-2, ISO 11898-1 (11-bit and 29-bit ID)
- Speed: 5kbps~8Mbps
- Dual 120 Ohm line termination, enabled/disabled by dip switch

Mechanical

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

Environment

- Operating temperature: -40°C~85°C
- Storage temperature: -50°C~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-08 SDK

Ordering Information

- **VTK-CAN-08 (P/N: 10VK00CAN10X0)**

2 x CAN FD SIC, full-size Mini PCIe form factor, PCIe interface, DB9 cable