



## Main Features

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

## Product Overview

The VTK-CAN-08 is a dual high-speed CAN FD 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 5Mbit/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

### Dual CAN FD Port

- Compliant with ISO 11898-2, ISO 11898-1 (11-bit and 29-bit ID)
- Speed: 5kbps~5Mbps
- 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, full-size Mini PCIe form factor, PCIe interface, DB9 cable