Kvaser M.2 PCIe 4xCAN
EAN: 73-30130-01333-9

Kvaser M.2 PCIe 4xCAN is a modul advanced, CAN multi-channel real-time CAN interface that handles transmission and reception of CAN messages on the bus with a high timestamp precision. It has four distributed CAN modules that are connected to a 22 x 80 mm M.2 card.

The Kvaser M.2 PCIe 4xCAN is compatible with applications that use Kvaser's CANlib.

Warranty
2-year warranty. See our General Conditions and Policies for details.

Support
Free support for all products by contacting support@kvaser.com.

Major Features

- B+M keyed M.2 PCI Express CAN interface with four channels.

- Distributed CAN modules minimising the signal integrity impact when connected to CAN-bus systems.

- Compact footprint, ideal for embedded applications, thanks to the M.2 card size of 22 x 80 mm.

- Supports CAN FD, up to 8 Mbit/s.

- Quick and easy plug-and-play installation.

- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.

- 100% compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.

- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit /s.

- Compatible with J1939, CANopen, NMEA 2000® and DeviceNet. Higher layer protocol translation handled by the user's application. For software support please see our Technical Associates products and our Software Download page (www.kvaser.com).

- Supports silent mode for analysis tools – listen to the bus without interfering.

- Supports simultaneous usage of multiple Kvaser interfaces and SocketCAN.

Software

Documentation, Kvaser CANlib SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser CANlib SDK is a free resource that includes everything you need to develop software for the Kvaser CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, Visual Basic, Python and t programming language.

Kvaser CAN hardware is built around the same common software API. Applications developed using one device type will run without modification on other device types.

Technical data

Bus Interface	PCIe x1
CAN Bit Rate	20 kbit/s to 1 Mbit/s
CAN Channels	4
CAN FD	Up to 8 Mbit/s
CAN Transceivers	MCP2561FD (Compliant with ISO 11898-2)
Certifications	CE, RoHS
Connector	9-pin D-SUB
Dimensions M.2 card	22 x 80 mm
Error Frame Detection	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
Operating Systems	Windows, Linux
Operating Temperature Range	-40 °C to +85 °C
Power Consumtion	Typically 770 mA at 3.3 V.
Silent Mode	Yes
Timestamp Resolution	1 µs
Weight	42 g (including CAN modules and cables)