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## Your Gateway to Efficient Connectivity

Kvaser Mini PCI Express 1xCAN v3 is a small, yet advanced, real time CAN interface that handles transmission and reception of standard and extended CAN messages on the bus with a high timestamp precision. The Kvaser Mini PCI Express 1xCAN v3 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](mailto:support@kvaser.com)
-  **EAN**  
73-30130-01420-6

## Major Features

- Supports CAN FD, up to 8 Mbit/s (with correct physical layer implementation).
- Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- 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.
- Supports simultaneous usage of multiple Kvaser interfaces.
- Supports silent mode for analysis tools –listen to the bus without interfering.
- Includes 1 channel breakout cable.
- 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](http://www.kvaser.com)).

## Support

Documentation, Kvaser SDK and drivers can be downloaded for free at [www.kvaser.com/downloads](http://www.kvaser.com/downloads).

Kvaser 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

<b>Bus Interface</b>	PCIe x1
<b>CAN Bit Rate</b>	20 kbit/s to 1 Mbit/s
<b>CAN Channels</b>	1
<b>CAN FD Bit Rate</b>	Up to 8 Mbit/s
<b>CAN Transceivers</b>	MCP2561FD
<b>Certifications</b>	CE, RoHS
<b>Connector</b>	Molex 53780
<b>Dimensions M.2 card</b>	51 x 30 x 5 mm
<b>Error Frame Detection</b>	Yes
<b>Error Frame Generation</b>	Yes
<b>Galvanic Isolation</b>	Yes
<b>Operating Systems</b>	Linux, Windows <sup>1</sup>
<b>Power Consumption</b>	600-850 mW
<b>Silent Mode</b>	Yes
<b>Temperature Range</b>	-40 to +85 °C
<b>Timestamp Resolution</b>	1 µs
<b>Weight</b>	5 g (13 g including cable)

<sup>1</sup> Windows 7, 8, 10 (IA-32 and x86-64)  
Windows 11 (x86-64)