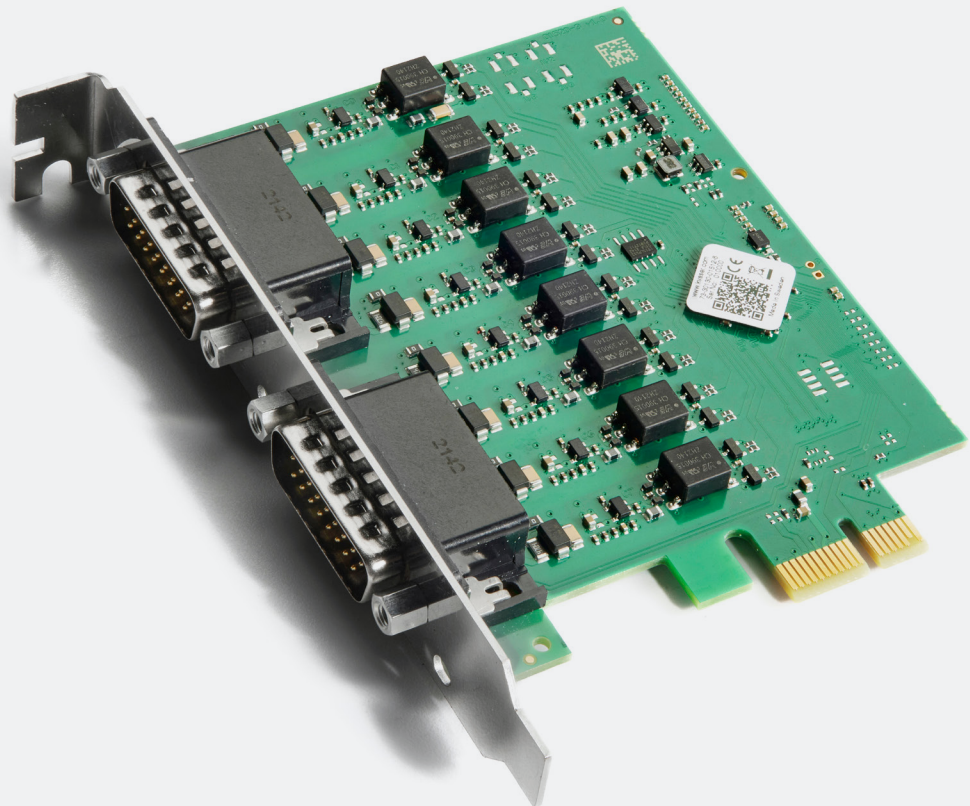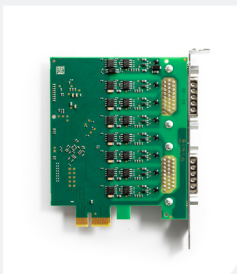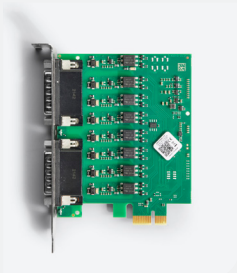Learn more about this product









# Your Gateway to Efficient Connectivity

The Kvaser PCIe 8xCAN maximizes channel density through a single PCIe x1 slot, enabling the effortless design of advanced CAN systems.

It is a compact and advanced multi-channel real-time CAN interface with eight CAN/CAN FD channels.

The Kvaser PCIe 8xCAN is highly scalable. Multiple boards can be connected to capture data from tens of CAN channels at a time. An example is hardware-in-the-loop (HIL) suites for automotive testing, where 40 CAN channels are commonly required.

**Please Note:** To use all 8 channels you need two splitter cables, product 00830-4 or 01412-1, sold separately.

**Warranty**
2-Year warranty. See our general conditions and policies for details.

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

**EAN**
73-30130-01512-8

Ref. No. 98374-8 v. 2.0

## Major Features

- PCI Express CAN interface.
- 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.
- Supports silent mode for analysis tools – listens to the bus without interfering.
- Supports simultaneous usage of multiple Kvaser interfaces.
- Full-profile PCIe card.
- Support for SocketCan.
- 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**).

HD26-4xDS9 splitter
EAN: 73-30130-00830-4

HD26-4xM12 splitter
EAN: 73-30130-01412-1

The Kvaser PCIe 8xCAN devices feature two 26-pin HD D-SUB connectors, each providing four channels. A **HD26-4xDS9 splitter** can be used to connect to four separate 9-pin D-SUB connectors. Alternatively, an **HD26-4xM12 splitter** can be used to connect to four separate 5-pin M12 connectors.

## Support

Documentation, Kvaser SDK and drivers can be downloaded for free at **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

| | |
|---|---|
| **CAN Bit Rate** | 20-1000 kbp/s |
| **CAN Channels** | 8 |
| **CAN FD Bit Rate** | Up to 8 Mbit/s |
| **CAN Transceivers** | Compliant with ISO 11898-2 |
| **CAN Controller** | Kvaser CAN IP in FPGA |
| **Certificates** | CE, RoHS |
| **Connectors** | Two 26-pin HD D-SUB |
| **Dimensions** | High profile 102 x 80 mm |
| **Error Frame Detection** | Yes |
| **Error Frame Generation** | Yes |
| **Galvanic Isolation** | Yes |
| **Host interface** | PCI Express x1 |
| **Interfaces** | CAN, PCI Express |
| **Max message rate** | 20000 [1] msg/s per channel |
| **Operating Systems** | Linux, Windows [2] |
| **Power Consumption** | Typically 980 mA at 3.3 V |
| **Relative humidity** | 0 % to 85 % (non-condensing) |
| **Silent Mode** | Yes |
| **Temperature Range** | -40 to +85 °C |
| **Timestamp Resolution** | 1 µs |
| **Weight** | 72 g |

[1] The message rate is based on tests on a reasonably powerful desktop computer. On a slow host computer, it might not be possible to reach the maximum message rate on all channels simultaneously, especially when running on smaller embedded systems.

[2] Windows 10 (IA-32 and x86-64)
 Windows 11 (x86-64)