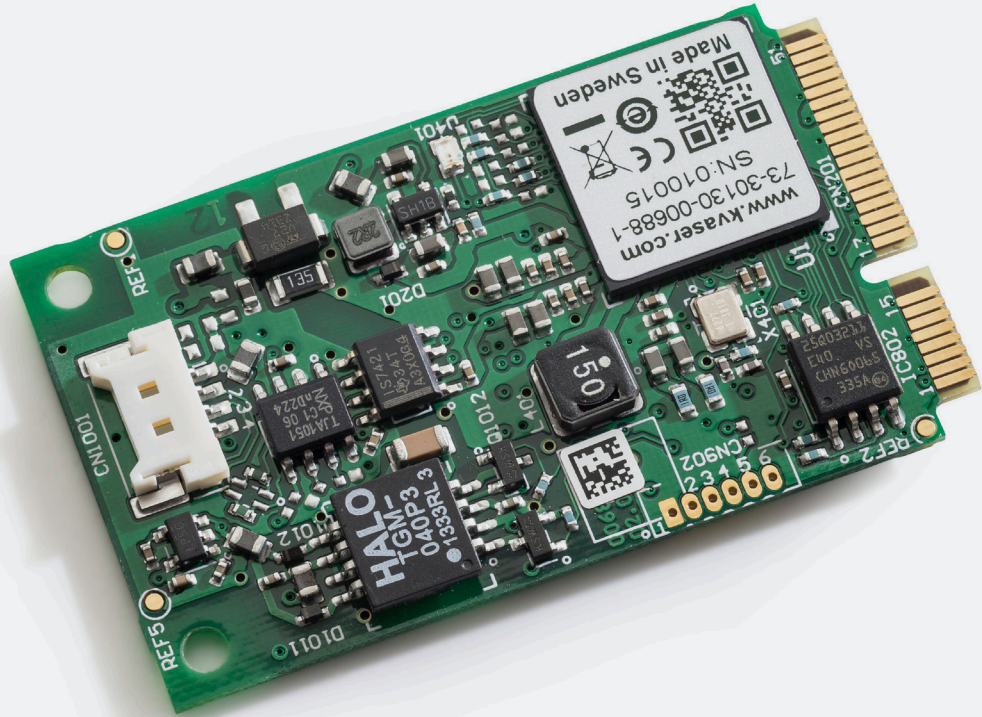
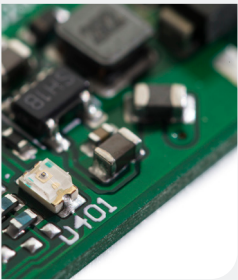




Learn more about  
this product



## Your Gateway to Efficient Connectivity

The Kvaser Mini PCI Express HS is a highly integrated CAN (controller area network) add-on board that lets embedded system developers add CAN functionality to any standard computer board with mini PCI Express capability.

The add-on board offers a single channel, high-speed CAN interface with error frame detection and on-board buffer. This board has a low profile connector that complies with the mini PCI Express standard, which connects via a cable to a DSUB connector (or other type) at the computer housing. With just the CAN communication link itself exposed, total system EMC performance is protected because all the electronics remain inside the computer housing.



### 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

73-30130-00688-1

## Major Features

- Supports a bitrate from 40 to 1,000 kbit/s and a CAN transfer rate up to 20,000 messages/s.
- Timestamp accuracy is 25  $\mu$ s.
- Low profile connector complies with the mini PCI Express standard, which connects via a cable to a DSUB (or other type) at the computer housing.
- A 4-pin Molex connector provides single CAN channel access.
- Complies with EN 61000-6-2:2005, specifying EMC immunity for industrial environments.
- Operates over the industrial temperature range of -40 to +85 °C.
- Kvaser's free of charge CANLIB SDK can be used to develop software for the Mini PCI Express HS board.
- 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 CANlib SDK and drivers can be downloaded for free at [www.kvaser.com/downloads](http://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

<b>Bit Rate</b>	40-1000 kbps
<b>Buffers</b>	On Board Buffer
<b>Channels</b>	1
<b>Certifications</b>	CE, RoHS
<b>Connectors</b>	Molex 53780 PanelMate™
<b>Current Consumption</b>	Typical values are (@ 3.3V from Mini PCI Express slot): 180mA (Kvaser Mini PCI Express HS), 280mA (Kvaser Mini PCI Express 2xHS)
<b>Dimensions</b>	51 x 30 x 5 mm
<b>Error Frame Generation</b>	No
<b>Error Counters Reading</b>	No
<b>Galvanic Isolation</b>	Yes
<b>Interfaces</b>	CAN, USB
<b>Messages Per Second Receive</b>	14000 mps
<b>Messages Per Second Sending</b>	18000 mps
<b>Operative Systems</b>	Windows, Linux
<b>Silent Mode</b>	Yes
<b>Temperature Range</b>	-40 to +85 °C
<b>Weight</b>	6 g (14 g including cable)