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KVASER MINI PCI EXPRESS HS

EAN 73-30130-00688-1

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.

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Major Features

- Supports a bitrate from 40 to 1,000 kbit/s and a CAN transfer rate up to 20,000 messages/s.
- Time stamp accuracy is 25 µs.
- 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.
- Support for Linux, in the form of drivers and a dedicated SDK, are available as a separate download.



Technical Data

Bitrate	40-1000 kbps
Temp Range	-40 - 85 °C
Messages Per Second Receive	14000 mps
Messages Per Second Sending	18000 mps
Weight	100 g
Length	50 mm
Height	5 mm
Channels	1
Certificates	CE, RoHS
Interfaces	Mini PCI Express
Categories	PC Interfaces, Interfaces
OS	Windows 10, 8, 7, Vista, XP, and Linux
Connectors	Molex 53780 PanelMate TM
Buffers	On Board Buffer
Galvanic Isolation	Yes
Error Frame Generation	No
Error Counters Reading	No
Silent Mode	Yes
Sound	No
Current Consumption	Typical values are (@ 3.3V from Mini PCI Express slot): 180mA (Kvaser Mini PCI Express HS), 280mA (Kvaser Mini PCI Express 2xHS)

WARRANTY

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

SUPPORT

Free Technical Support on all products available by contacting support@kvaser.com

SOFTWARE

Documentation, software 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 and Visual Basic.

All Kvaser CAN interface boards share a common software API. Programs written for one interface type will run without modifications on the other interface types!

J2534 Application Programming Interface available.

RP1210A Application Programming Interface available.

Online documentation in Windows HTML-Help and Adobe Acrobat format.