



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.

Major Features

- Supports a bit rate from 40 to 1000 kbit/s and a CAN transfer rate up to 20000 messages/s.
- Time stamp accuracy is 25 μ 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.
- Support for Linux, in the form of drivers and a dedicated SDK, are available as a separate download
- Support for SocketCAN, see elinux.org for details.
- Includes Molex to DSUB9 cable adapter.

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.



- On-line documentation in Windows HTML-Help and Adobe Acrobat format.



TECHNICAL DATA - KVASER MINI PCI EXPRESS HS

ERROR FRAME DETECTION	Yes
MSGRATE RX MAX	20000
ON-BOARD BUFFER	Yes
LENGTH (MM)	50
CERTIFICATIONS	CE,RoHS
CAN FD	No
API, FREE	Kvaser API
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
# OF CAN CHANNELS	1
TIMESTAMP RESOLUTION (US)	25
WIDTH (MM)	30
CERTIFICATIONS	CE,RoHS
CLOCK SYNC	No
API, FREE	Kvaser API, J2534, RP 1210
OPERATING SYSTEM	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
CB BOARD	No
SOUND	No
CASING MATERIAL	
ERROR FRAME GENERATION	No
API, LICENCED	
MSGRATE RX MAX	20000
MSGRATE TX MAX	18000
WIDTH (MM)	30
STATUS	Active
CLOCK SYNC	No
MSGRATE TX MAX	18000
MAXIMUM BITRATE (KBPS)	1000

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API, LICENCED	None
EMBEDDED SCRIPT	No
STATUS	Active
ERROR COUNTERS READING	No
EMBEDDED SCRIPT	No
NETWORK CHANNEL(S)	1 x CAN HS
TIMESTAMP RESOLUTION (US)	25
ON-BOARD RX BUFFER	No
CONNECTOR	Molex 53780 PanelMate TM
MAXIMUM BITRATE (KBPS)	1000
DATABASE DBC SUPPORT	No
CAN FD	No
HEIGHT (MM)	5
MINIMUM BITRATE (KBPS)	40
CURRENT CONSUMPTION	(Mini PCI Express@ 3.3V): 180mA (Kvaser Mini PCI Express HS), 280mA (Kvaser Mini PCI Express 2xHS)
WEIGHT (G)	100.0
ON-BOARD TX BUFFER	N/A
ON-BOARD RX BUFFER	N/A
GALVANIC ISOLATION	Yes
MAGISYNC	N/A
MINIMUM BITRATE (KBPS)	40
ON-BOARD TX BUFFER	No
IP CLASS	IP00
HEIGHT (MM)	5
# OF CAN CHANNELS	1
PRODUCT GROUPS	Mini PCI Express
WEIGHT (G)	100.0

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Kvaser Mini PCI Express HS

ERROR FRAME DETECTION	Yes
CURRENT CONSUMPTION	Typical values are (@ 3.3V from Mini PCI Express slot): 180mA (Kvaser Mini PCI Express HS), 280mA (Kvaser Mini PCI Express 2xHS)
GALVANIC ISOLATION	Yes
CONNECTOR	Molex 53780 PanelMate TM
PROMOTIONAL_TEXT	Mini PCI Express CAN ; USB
NETWORK CHANNEL(S)	1 x CAN HS
CASING MATERIAL	N/A
OPERATING SYSTEM	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
CB BOARD	No
ON-BOARD BUFFER	Yes
SILENT MODE	Yes
SOUND	No
ERROR FRAME GENERATION	No
ERROR COUNTERS READING	No
PRODUCT GROUPS	Mini PCI Express
PROMOTIONAL_TEXT	Single channel Mini PCI Express CAN interface; PC communication over USB system bus.
LENGTH (MM)	51
PC INTERFACE	Mini PCI Express
PC INTERFACE	Mini PCI Express
IP CLASS	IP00
SILENT MODE	Yes
RUGGED	No
RUGGED	No
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00

The information herein is subject to change without notice

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