KVASER
Advancing connectivity

Kvaser Hybrid 2xCAN/LIN

Learn more about this product









Your Gateway to Efficient Connectivity

Kvaser Hybrid 2xCAN/LIN is a flexible, dual channel interface that allows each channel to be assigned independently as CAN or LIN. This makes the Kvaser Hybrid 2xCAN/LIN a must-have 'universal interface' for every engineer involved in automotive communications.

With a standard USB connector and two CAN/LIN channels in two separate 9-pin D-SUB connectors, this interface can connect a PC to two CAN buses, two LIN buses, or one CAN and one LIN bus.

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

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

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Major Features

- Supports High Speed CAN (ISO 11898-2) up to 1Mbit/s and LIN 2.2A (ISO 17987 Part 1-7) up to 20 kbit/s.
- Capable of sending up to 20000 messages per second, per CAN channel.
- Supports CAN FD, up to 5 Mbit/s (with proper physical layer).
- Quick and easy plug-and-play installation.
- Supports CAN 2.0 A and CAN 2.0 B active.
- USB powered (bus Vbat reference required for LIN).
- LEDs indicate device status and bus activity.
- Galvanically isolated CAN channels.
- Supplied with Kvaser CANlib and Kvaser LINlib, free software APIs that are common to all Kvaser hardware and enable the channels to be configured intuitively and fast.
- Extended operating temperature range from -40 to +85 °C.
- 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).

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 script 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	50-1000 kbp/s
CAN FD Bit Rate	Up to 5 Mbit/s (with proper physical layer)
Channels	2
Dimensions	50 x 170 x 20 mm incl. strain relief
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
Host interface	USB 2.0
Kvaser MagiSync	No
LIN Bit Rate	1-20 kbps
Messages Per Second	20000 msg/s per channel
Operating Systems	Linux, Windows [1]
Power Consumption	220 mA at 5 V
Regulatory Compliance	CE, FCC
Silent Mode	No
Temperature Range	-40 to +85 °C
Timestamp Resolution	50 µs
Weight	160 g

[1] Windows 7, 8, 10 (IA-32 and x86-64)
Windows 11 (x86-64)

Kvaser AB
Aminogatan 25A
SE-431 53 Mölndal
Sweden

Sales
sales@kvaser.com

Support
support@kvaser.com

Order
order@kvaser.com

kvaser.com

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