



## **KVASER HYBRID 2XCAN/LIN**

EAN 73-30130-00965-3

Kvaser Hybrid 2xCAN/LIN is a flexible, dual channel interface where each channel can be configured independently, either as CAN or LIN. With a standard USB connector and two high-speed CAN or LIN channels in two separate 9-pin D-SUB CAN connectors, this is a high-performance, yet compact 'universal interface' that every engineer involved in automotive communications needs!

Use this as a dual-channel CAN interface, or simply configure the device in runtime to connect two high speed LIN buses to a PC or mobile computer, or one LIN and one CAN. Kvaser Hybrid supports CAN FD and is shipped with Kvaser TRX, a lightweight development environment that lowers the bar when starting out programming the device.

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## Major Features

- Hybrid USB CAN/LIN interface.
- Supports CAN FD up to 5Mbit/s (with proper physical layer implementation).
- Quick and easy plug-and-play installation.
- Supports High-Speed CAN (ISO 11898-2) up to 1Mbit/s.
- Supports CAN 2.0 A and CAN 2.0 B active.
- Supports LIN 2.2.
- Power is taken from the USB bus.
- LIN reference power detection.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- Fully compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.
- Supports Kvaser MagiSync to provide automatic time synchronization.
- Silent mode for analysis tools—listens to the bus without interfering.
- Auto response and transmit buffers allow the device to send messages on defined events or intervals.
- Galvanically isolated bus drivers.
- Extended operating temperature range from -40 to 85 °C.



## Technical Data

### CAN Channel Performance Data

Bitrate	50 - 1000 kbps
Messages Per Second	20,000
CAN FD	Up to 5Mbit/s

### LIN Channel Performance Data

Bitrate	1-20 kbps
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### General Hardware Data

Temp Range	-40 to +85 °C
Galvanic Isolation	Yes
Weight	165 g
Length	170 mm
Height	47 mm
Depth	18 mm
Channels	2
Certificates	CE, RoHS
PC Interface	USB
OS	Windows 10, 8, 7, Vista, and Linux

### 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](mailto:support@kvaser.com)

### SOFTWARE

Documentation, software 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, Java, Python, 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.

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