



Learn more about  
this product



## Your Gateway to Efficient Connectivity

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

The Kvaser Hybrid Pro 2xCAN/LIN offers advanced features such as support for CAN FD, Silent Mode, Single Shot, Error Frame Generation and Kvaser MagiSync automatic clock synchronization. As a Pro-level device, this interface can host user-developed programs, created using resources provided within Kvaser’s free CANlib SDK. These can be designed to accomplish a range of advanced tasks, such as CAN node simulation and CAN flashing, or create a LIN to CAN gateway. Guidance and code examples are provided.



### 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

73-30130-01042-0

## Major Features

- Hybrid USB CAN/LIN two-channel interface with two separate 9-pin D-SUBs.
- t programs allow users to customise the Hybrid Pro 2xCAN/LIN's behaviour.
- Supports high-speed CAN (ISO 11898-2) up to 1 Mbit/s and LIN 2.2A (ISO 17987 Part 1-7) up to 20 kbit/s.
- Supports CAN FD (ISO 11898-1) up to 5 Mbit/s (with correct physical layer implementation).
- Capable of sending up to 20000 messages per second, per CAN channel, time-stamped with a 1 microsecond accuracy.
- USB-powered (bus V+ reference required for LIN).
- Kvaser MagiSync – automatic time synchronization between MagiSync-enabled Kvaser interfaces connected to the same PC.
- Galvanically isolated CAN channels.
- Single-shot function ensures that failed transmissions will not retry.
- LED lights indicate device status.
- 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.
- 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 SDK and drivers can be downloaded for free at [www.kvaser.com/downloads](http://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

<b>CAN Bit Rate</b>	50 kbit/s to 1 Mbit/s
<b>CAN FD Bit Rate</b>	Up to 5 Mbit/s (with proper physical layer)
<b>CAN Max Message Rate</b>	20,000 msg/s per channel
<b>CAN Transceivers</b>	1051T/E (Compliant with ISO 11898-2)
<b>CAN/LIN Channels</b>	2 (Individually configurable as CAN or LIN)
<b>CAN/LIN Controller</b>	Kvaser CAN/LIN IP in FPGA
<b>Dimensions</b>	50 x 170 x 20 mm for body incl. strain relief
<b>Error Frame Detection</b>	Yes
<b>Error Frame Generation</b>	Yes
<b>Interfaces</b>	USB, CAN, LIN
<b>Kvaser MagiSync</b>	Yes
<b>LIN Bit Rate</b>	1-20 kbit/s
<b>LIN Transceivers</b>	TJA1021T/20
<b>Operating Systems</b>	Linux, Windows <sup>1</sup>
<b>Operating Temperature</b>	-40 to +85 °C
<b>Power Consumption</b>	Max 280 mA
<b>Regulatory Compliance</b>	CE, FCC
<b>Relative Humidity</b>	0 % to 85 % (noncondensing)
<b>Silent Mode</b>	Yes
<b>Timestamp Resolution</b>	1 µs
<b>Weight</b>	160 g

<sup>1</sup> Windows 7, 8, 10 (IA-32 and x86-64)  
Windows 11 (x86-64)