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

EAN
73-30130-00965-3

Ref. No. 98318-2 v. 2.0

KVASER
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Kvaser Hybrid 2xCAN/LIN

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 CANlib SDK 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, Visual Basic, Python and t programming 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)
Certificates	CE, RoHS
Channels	2
Dimensions	50 x 170 x 20 mm incl. strain relief
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
Interfaces	USB, CAN, LIN
Kvaser MagiSync	No
LIN Bit Rate	1-20 kbps
Messages Per Second	20000 msg/s per channel
Operating Systems	Linux, Windows [1]
Power Consumption	Max. 280 mA
Silent Mode	No
Temperature Range	-40 to +85 °C
Timestamp Resolution	50 µs
Weight	165 g

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

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Kvaser Hybrid Pro 2xCAN/LIN

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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

EAN
73-30130-01042-0

Ref. No. 98311-3 v. 2.0

KVASER
Advancing connectivity

Kvaser Hybrid Pro 2xCAN/LIN

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 1Mbit/s and LIN 2.2A (ISO 17987 Part 1-7) up to 20 kbit/s.
- Supports CAN FD (ISO 11898-1) up tom5 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).

Support

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

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

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Advancing connectivity

Kvaser Hybrid CAN/LIN

Learn more about this product

Your Gateway to Efficient Connectivity

Kvaser Hybrid CAN/LIN is a flexible, single channel interface that can be assigned as either CAN or LIN. This makes the Kvaser Hybrid CAN/LIN a must-have 'universal interface' for every engineer involved in automotive communications!

With a standard USB connector and a CAN/LIN channel with a 9-pin D-SUB connector, this high-speed interface can connect a PC to CAN, CAN FD or LIN.

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

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

EAN
73-30130-01284-4

KVASER
Advancing connectivity

Kvaser Hybrid CAN/LIN

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.
- Supports CAN FD up to 5Mbit/s (with proper physical layer implementation).
- Quick and easy plug-and-play installation.
- Supports CAN 2.0 A and CAN 2.0 B active.
- Power is taken from the USB bus, LED lights alert user to device status.
- Galvanically isolated CAN bus drivers.
- Supplied with Kvaser CANlib and Kvaser LINlib, free sofware 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).

Support

Documentation, Kvaser CANlib SDK 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, Visual Basic, Python and t programming 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 kbit/s to 1 Mbit/s
CAN FD	Yes
CAN FD Bit Rate	Up to 5 Mbit/s
CAN Channels	1
Current Consumption	Max. 195 mA
Dimensions	35 x 165 x 17 mm
Galvanic Isolation	Yes
IP Rating Housing	IP40
Interfaces	USB, CAN, LIN
Kvaser MagiSync	No
Lin Bit Rate	1 kbit/s to 20 kbit/s
Max Message Rate	20,000 msg/s
Operating Systems	Linux, Windows [1]
Operating Temperature	-40 to +85 °C
Timestamp Resolution	50 µs
Weight	120 g

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

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Ref. No. 98312-0 v. 2.0

KVASER
Advancing connectivity

Kvaser Hybrid Pro CAN/LIN

Learn more about this product

Your Gateway to Efficient Connectivity

Kvaser Hybrid Pro CAN/LIN is a flexible, single channel interface that can be assigned as either CAN, CAN/ FD or LIN. This makes the Kvaser Hybrid Pro CAN/LIN a must-have 'universal interface' for every engineer involved in automotive communications!

The Pro version offers advanced features such as support for Silent Mode, Error Frame Detection and Generation and Kvaser MagiSync™ automatic clock synchronization. Silent Mode allows you to listen in on a CAN bus without injecting new information that other nodes will detect, whilst Kvaser MagiSync™ synchronizes timestamps across multiple Kvaser MagiSync™-enabled devices without needing extra wires.

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

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

EAN
73-30130-01288-2

Ref. No. 98309-0 v. 2.0

KVASER
Advancing connectivity

Kvaser Hybrid Pro CAN/LIN

Major Features

- *t* programming allows users to set up complex triggers and filters on the device, perform ECU simulation or transform your device into a gateway/ bridge.
- Supports CAN FD, up to 5 Mbit/s (with proper physical layer).
- 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.
- Quick and easy plug-and-play installation.
- Supports CAN 2.0 A and CAN 2.0 B active.
- USB powered (bus V+ reference required for LIN).
- Kvaser MagiSync – automatic time synchronization.
- 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 CANlib SDK 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, Visual Basic, Python and t programming 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 kbps
CAN Channels	1
CAN FD	Yes
CAN FD Bit Rate	Up to 5 Mbit/s
Current Consumption	Max 195 mA
Dimensions	35 x 165 x 17 mm
Galvanic Isolation	Yes
Interfaces	USB, CAN, LIN
IP Rating Housing	IP40
Kvaser MagiSync	Yes
LIN Bit Rate	1 kbit/s to 20 kbit/s
Max Message Rate	20,000 msg/s
Operating Systems	Linux, Windows [1]
Operating Temperature Range	-40 to +85 °C
Timestamp Resolution	1 µs
Weight	120 g

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

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