

Hybrid CAN/LIN



Kvaser Hybrid CAN/LIN is a flexible, single channel interface that can be assigned as 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.

- 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.
- 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.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- 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.

Hybrid 2xCAN/LIN



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.

- 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 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.
- USB powered (bus V+ reference required for LIN).
- LEDs indicate device status and bus activity.
- Galvanically isolated CAN buses.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- 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.
- Support for SocketCAN, see elinux.org for details.

Hybrid Pro CAN/LIN



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.

- Hybrid USB CAN/LIN interface with a 9-pin D-SUB.
- Its 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.
- Capable of sending up to 20000 messages per second.
- 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.
- LED lights alert user to device status.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- 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.

Hybrid Pro 2xCAN/LIN



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.

- 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 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.
- Single shot function ensures that failed CAN transmissions will not retry.
- CAN Error Frame Generation and Error Counters.
- LED lights indicate device status.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- 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.
- Support for SocketCAN, see elinux.org for details.