

## Kvaser Leaf SemiPro HS



Kvaser Leaf SemiPro is a one channel USB interface for CAN that is available in two versions; low speed and high speed. It offers the possibility to easily connect your PC and CANbus network. Includes Kvaser's patented MagiSync feature for synchronized time-stamping, and Galvanic Isolation for protection against voltage spikes.

Kvaser Leaf SemiPro with MagiSync<sup>®</sup>; is a one channel USB interface for CAN. It offers the possibility to easily connect several interfaces to a PC. The time-stamping is synchronized through Kvaser MagiSync<sup>®</sup>; Providing flexibility and making it perfect for multi-channel applications. High-Speed, Low-Speed and Single-Wire CAN are supported through different product versions.

### Major features

- Automatic and accurate clock synchronization between several Kvaser Leaf SemiPro interfaces through Kvaser MagiSync<sup>®</sup>; The technical solution is unique and patented by Kvaser.
- Messages are time-stamped and synchronized with a precision of 25 microsecond.
- Handles up to 15 000 messages per second.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Reliable error handling.
- Supports silent mode for analyzing tools.
- Low power consumption.
- Excellent EMC performance.
- Polyurethane cabling for extreme environments.
- Galvanic isolation of the CAN bus driver stage to protect the hardware.
- Labeled CAN channel for easy identification of the supported physical layer.
- 100% compatible with applications written for all Kvaser hardware with Kvaser's CANlib.
- Equipped with a 110 cm (44 in.) long USB cable and a 30 cm (12 in.) long



- CAN cable.
- Interfaces the CAN bus with a 9-pin D-SUB connector.
  - Designed for USB 2.0, backward compliant with USB 1.1.
  - Quick and easy Plug-and-Play installation.
  - A practically unlimited number of Kvaser Leafs can be connected via standard USB hubs for simultaneous use on a single PC.

### Technical Data

#### Kvaser Leaf SemiPro HS

Galvanic Isolation	Yes
Bitrate	5-1000 kbit/s
Silent mode	Yes
Error frame generation	Yes
Error frame detection	Yes
Weight	100g
Timestamp resolution	25 s
On board buffer	Yes
Maximum message rate, send	15000
Maximum message rate, receive	15000
Sound	No
Clock synchronization	MagiSync
Dimensions (WxLxH)	25x100x20mm
Temperature range	-40 C to +85 C
Order number	73-30130-00242-5

The information herein is subject to change without notice

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