



**Kvaser Leaf SemiPro LS**

EAN:73-30130-00260-9

Kvaser Leaf SemiPro with MagiSync™ is a one channel USB interface for Low Speed or 'fault tolerant' CAN (ISO 11898-3). It offers the possibility to easily connect several interfaces to a PC. The time-stamping is synchronized through Kvaser MagiSync™. Providing flexibility and making it perfect for multi-channel applications.

### **Major Features**

- Automatic and accurate clock synchronization between several Kvaser Leaf SemiPro interfaces through Kvaser MagiSync™. The technical solution is unique and patented by Kvaser.
- Handles up to 15,000 messages per second, time-stamped and synchronized with a precision of 25 microsecond.
- 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.
- Galvanic isolation of the CAN bus driver stage to protect the hardware.
- Labeled CAN channel for easy identification of the supported physical layer.
- 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.
- Support for SocketCAN, see [linux.org](http://linux.org) for details.
- 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.

## Warranty

- 2-Year Warranty. See our General Conditions and Policies for details. Register your product at [kvaser.com/getting-started](http://kvaser.com/getting-started) for an additional 1-year Warranty Extension.

## Support

- Free Technical Support on all products available by contacting [info@gmga.vn](mailto:info@gmga.vn)

## Software

- Documentation, software and drivers can be downloaded for free, please contact us!
- 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, 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.
- On-line documentation in Windows HTML-Help and Adobe Acrobat format.



## TECHNICAL DATA - KVASER LEAF SEMIPRO LS

TIMESTAMP RESOLUTION (US)	25
ON-BOARD TX BUFFER	Yes
SILENT MODE	Yes
EMBEDDED SCRIPT	No
LENGTH (MM)	100
CERTIFICATIONS	CE,RoHS
MINIMUM BITRATE (KBPS)	5
ERROR FRAME GENERATION	Yes
NETWORK CHANNEL(S)	1 x CAN LS
PROMOTIONAL_TEXT	Single channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).
WEIGHT (G)	100.0
PRODUCT GROUPS	Leaf
OPERATING TEMPERATURE RANGE (C)	-40 °C to +85 °C
CIRCUIT BOARD	No
IP CLASS	IP40
ON-BOARD BUFFER	Yes
ERROR COUNTERS READING	No
ERROR FRAME DETECTION	Yes
CONNECTOR	DSUB 9
PC INTERFACE	USB
GALVANIC ISOLATION	Yes
HEIGHT (MM)	20
# OF CAN CHANNELS	1
DATABASE DBC SUPPORT	No
CAN FD	No
WIDTH (MM)	25



## Kvaser Leaf SemiPro LS

MSGRATE TX MAX	2500
CASING MATERIAL	Glass Fiber Reinforced PA6
RUGGED	No
CURRENT CONSUMPTION	Typical 70mA
MSGRATE RX MAX	2500
OPERATING SYSTEM	Linux, Win 7, Win 10, Win 8
CLOCK SYNC	Yes
API, LICENCED	None
ON-BOARD RX BUFFER	Yes
API, FREE	Kvaser API, J2534, RP 1210
MAXIMUM BITRATE (KBPS)	125
SOUND	No
STATUS	Active

The information herein is subject to change without notice