



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 [atkvaser.com/getting-started](http://atkvaser.com/getting-started) for an additional 1-year Warranty Extension.

## Support

- Free Technical Support on all products available by contacting [support@kvaser.com](mailto:support@kvaser.com).

## Software

- Documentation, software and drivers can be downloaded for free at [kvaser.com/downloads](http://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, 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

# OF CAN CHANNELS	1
CURRENT CONSUMPTION	Typical 70mA
PC INTERFACE	USB
NETWORK CHANNEL(S)	1 x CAN LS
SOUND	No
MINIMUM BITRATE (KBPS)	5
ERROR COUNTERS READING	No
ON-BOARD TX BUFFER	Yes
WIDTH (MM)	25
ERROR FRAME DETECTION	Yes
CLOCK SYNC	Yes
IP CLASS	IP40
PROMOTIONAL_TEXT	Single channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).
MAXIMUM BITRATE (KBPS)	125
PRODUCT GROUPS	Leaf
ON-BOARD RX BUFFER	Yes
CIRCUIT BOARD	No
STATUS	Active
HEIGHT (MM)	20
OPERATING SYSTEM	Linux,Win 7,Win 10,Win 8
ON-BOARD BUFFER	Yes
API, LICENCED	None
WEIGHT (G)	100.0
ERROR FRAME GENERATION	Yes
LENGTH (MM)	100
MSGRATE TX MAX	2500



## Kvaser Leaf SemiPro LS

CONNECTOR	DSUB 9
CASING MATERIAL	Glass Fiber Reinforced PA6
OPERATING TEMPERATURE RANGE (C)	-40 °C to +85 °C
EMBEDDED SCRIPT	No
DATABASE DBC SUPPORT	No
CAN FD	No
API, FREE	Kvaser API, J2534, RP 1210
TIMESTAMP RESOLUTION (US)	25
CERTIFICATIONS	CE,RoHS
SILENT MODE	Yes
RUGGED	No
MSGRATE RX MAX	2500
GALVANIC ISOLATION	Yes

The information herein is subject to change without notice