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 elinux.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.

## Support

- Free Technical Support on all products available by contacting support@ kvaser.com.

## Software

- Documentation, software 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, 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

| | |
|---|---|
| MSGRATE TX MAX | 2500 |
| SOUND | No |
| ON-BOARD BUFFER | Yes |
| ERROR COUNTERS READING | No |
| API, FREE | Kvaser API, J2534, RP 1210 |
| OPERATING TEMPERATURE RANGE (C) | -40.00 to 85.00 |
| HEIGHT (MM) | 20 |
| CB BOARD | No |
| DATABASE DBC SUPPORT | No |
| CLOCK SYNC | Yes |
| PRODUCT GROUPS | Leaf |
| MINIMUM BITRATE (KBPS) | 5 |
| TIMESTAMP RESOLUTION (US) | 25 |
| CERTIFICATIONS | CE,RoHS |
| MSGRATE RX MAX | 2500 |
| STATUS | Active |
| PC INTERFACE | USB |
| NETWORK CHANNEL(S) | 1 x CAN LS |
| CONNECTOR | DSUB 9 |
| WIDTH (MM) | 25 |
| # OF CAN CHANNELS | 1 |
| ERROR FRAME DETECTION | Yes |
| ON-BOARD RX BUFFER | Yes |
| CAN FD | No |
| CASING MATERIAL | Glass Fiber Reinforced PA6 |
| GALVANIC ISOLATION | Yes |
| WEIGHT (G) | 100.0 |

| | |
|---|---|
| ERROR FRAME GENERATION | Yes |
| OPERATING SYSTEM | Win XP,Linux,Win 7,Win Vista,Win 10,Win 8 |
| CURRENT CONSUMPTION | Typical 70mA |
| IP CLASS | IP40 |
| SILENT MODE | Yes |
| RUGGED | No |
| ON-BOARD TX BUFFER | Yes |
| PROMOTIONAL_TEXT | Single channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3). |
| EMBEDDED SCRIPT | No |
| LENGTH (MM) | 100 |
| API, LICENCED | None |
| MAXIMUM BITRATE (KBPS) | 125 |

The information herein is subject to change without notice