



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 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

IP CLASS	IP40
MINIMUM BITRATE (KBPS)	5
CLOCK SYNC	Yes
LENGTH (MM)	100
GALVANIC ISOLATION	Yes
MAXIMUM BITRATE (KBPS)	125
ERROR FRAME DETECTION	Yes
GALVANIC ISOLATION	Yes
NETWORK CHANNEL(S)	1 x CAN LS
EMBEDDED SCRIPT	No
WIDTH (MM)	25
SOUND	No
ON-BOARD TX BUFFER	Yes
ERROR COUNTERS READING	No
# OF CAN CHANNELS	1
WIDTH (MM)	25
API, LICENCED	None
CLOCK SYNC	Yes
IP CLASS	IP40
SOUND	No
API, LICENCED	
PC INTERFACE	USB
CERTIFICATIONS	CE,RoHS
API, FREE	Kvaser API, J2534, RP 1210
ERROR FRAME DETECTION	Yes
TIMESTAMP RESOLUTION (US)	25
WEIGHT (G)	100.0

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# OF CAN CHANNELS	1
ERROR FRAME GENERATION	Yes
ON-BOARD BUFFER	Yes
SILENT MODE	Yes
CAN FD	No
CB BOARD	No
PRODUCT GROUPS	Leaf
MAXIMUM BITRATE (KBPS)	125
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
CURRENT CONSUMPTION	70mA
ERROR COUNTERS READING	No
API, FREE	Kvaser API, J2534, RP1210
CASING MATERIAL	Glass Fiber Reinforced PA6
ON-BOARD BUFFER	Yes
OPERATING SYSTEM	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
RUGGED	No
SILENT MODE	Yes
ON-BOARD RX BUFFER	Yes
CASING MATERIAL	PA6
MSGRATE RX MAX	2500
ERROR FRAME GENERATION	Yes
RUGGED	No
MSGRATE TX MAX	2500
STATUS	Active
HEIGHT (MM)	20
CB BOARD	No
MINIMUM BITRATE (KBPS)	5
PRODUCT GROUPS	Leaf

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DATABASE DBC SUPPORT	No
TIMESTAMP RESOLUTION (US)	25
NETWORK CHANNEL(S)	1 x CAN LS
PC INTERFACE	USB
CAN FD	No
CURRENT CONSUMPTION	Typical 70mA
ON-BOARD TX BUFFER	No
STATUS	Active
HEIGHT (MM)	20
ON-BOARD RX BUFFER	No
CONNECTOR	DSUB 9
PROMOTIONAL_TEXT	Single channel USB-to-CAN PC interface for Low Speed Fault Tolerance CAN (ISO 11898-3).
WEIGHT (G)	100.0
MSGRATE TX MAX	2500
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
OPERATING SYSTEM	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
CERTIFICATIONS	CE, RoHS
EMBEDDED SCRIPT	No
MSGRATE RX MAX	2500
CONNECTOR	DSUB 9
LENGTH (MM)	100

The information herein is subject to change without notice