



Kvaser Leaf SemiPro HS

EAN: 73-30130-00242-5

Kvaser Leaf SemiPro is a one channel USB interface for High Speed CAN (ISO 11898-2). 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. Includes Galvanic Isolation for protection against voltage spikes.

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 HS

SILENT MODE	Yes
CERTIFICATIONS	CE,RoHS
NETWORK CHANNEL(S)	1 x CAN HS
WIDTH (MM)	25
ERROR FRAME DETECTION	Yes
OPERATING SYSTEM	Linux,Win 7,Win Vista,Win 10,Win 8
GALVANIC ISOLATION	Yes
CURRENT CONSUMPTION	Typical 70mA
OPERATING TEMPERATURE RANGE (C)	-40 °C to +85 °C
ERROR FRAME GENERATION	Yes
CAN FD	No
PROMOTIONAL_TEXT	Single channel USB-to-CAN PC interface.
CIRCUIT BOARD	No
EMBEDDED SCRIPT	No
IP CLASS	IP40
API, LICENCED	None
SOUND	No
WEIGHT (G)	105.0
LENGTH (MM)	100
ON-BOARD BUFFER	Yes
MSGRATE TX MAX	15000
PC INTERFACE	USB
# OF CAN CHANNELS	1
ERROR COUNTERS READING	No
PRODUCT GROUPS	Leaf
TIMESTAMP RESOLUTION (US)	25

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CASING MATERIAL	Glass Fiber Reinforced PA6
MINIMUM BITRATE (KBPS)	5
MSGRATE RX MAX	15000
CONNECTOR	DSUB 9
RUGGED	No
MAXIMUM BITRATE (KBPS)	1000
API, FREE	Kvaser API, J2534, RP 1210
STATUS	Active
ON-BOARD RX BUFFER	Yes
DATABASE DBC SUPPORT	No
HEIGHT (MM)	20
ON-BOARD TX BUFFER	Yes
CLOCK SYNC	Yes

The information herein is subject to change without notice