Kvaser Leaf Professional HS

Kvaser Leaf Professional is a one channel, high performance, USB interface for CAN. A versatile and powerful interface that offers easy connection between your PC and CANbus network, it includes Kvaser's patented MagiSync feature for synchronized time-stamping, Galvanic Isolation for protection against voltage spikes, and Auto Transmit for placing messages on the bus at set intervals.

Kvaser Leaf Professional with MagiSync™ is a one channel USB interface for CAN and LIN. 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. High-Speed, Low-Speed and Single-Wire CAN and LIN are supported through different product versions.   Major features

- Automatic and accurate clock synchronization between several Kvaser Leaf Professional interfaces through Kvaser MagiSync™. The technical solution is unique and patented by Kvaser.
- Messages are time-stamped and synchronized with a precision of 1 microsecond.
- Handles up to 20 000 messages per second.
- Auto transmit buffers, to send messages on a defined interval.
- Auto response buffers, to send messages on a defined event.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Excellent error handling.
- Supports silent mode for analyzing tools.
- Low power consumption.
- Excellent EMC performance.
- Polyurethane cabling for extreme environments.
- Galvanic isolation of the CAN bus driver stage to protect the hardware.
- Labeled CAN channel for easy identification of the supported physical layer.
- 100% compatible with applications written for all Kvaser hardware with KVASER's CANlib.

- 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 or OBD2 connector.
- Designed for USB 2.0, backward compliant with USB 1.1.
- 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.
- Please note that not all applications listed under Application Support for Kvaser Leaf Professional, support the Kvaser Leaf Professional LIN product version.

Technical Data

Kvaser Leaf Professional HS

Galvanic Isolation	Yes
Bitrate	5-1000 kbit/s
Silent mode	Yes
Error frame generation	Yes
Error frame detection	Yes
Weight	100g
Timestamp resolution	1 s
On board buffer	Yes
Maximum message rate, send	20000
Maximum message rate, receive	20000
Sound	Yes
Clock synchronization	MagiSync
Dimensions (WxLxH)	25x100x20mm
Temperature range	-40 C to +85 C
Order number	73-30130-00243-2

The information herein is subject to change without notice