

Kvaser Leaf Professional SWC

Part NO:MPKV-CAN-U2C-LeafPro-SWC



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.

Description

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 Specification

Property	Value
Galvanic Isolation	Yes
Bitrate	5-100 kbit/s
Silent mode	Yes
Error frame generation	Yes
Error frame detection	Yes
Weight	100 g
Timestamp resolution	1
On board buffer	Yes
Maximum message rate, send	2000
Maximum message rate, receive	2000
Sound	Yes
Clock synchronization	MagiSync
Dimensions (WxLxH)	25x100x20 mm (1.0x3.9x0.8in.)

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