

Kvaser Leaf SemiPro SWC

Part No:MPKV-CAN-U2C-LF-SPRO-SWC

Description

Kvaser Leaf SemiPro with MagiSync™ is a one channel USB interface for CAN. 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 are supported through different product versions.



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.
- Messages are time-stamped and synchronized with a precision of 25 microsecond.
- Handles up to 15 000 messages per second.
- 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.
- 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.
- 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.

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 | 25 |
| On board buffer | Yes |
| Maximum message rate, send | 2000 |
| Maximum message rate, receive | 2000 |
| Sound | No |
| Clock synchronization | MagiSync |
| Dimensions (WxLxH) | 25x100x20 mm (1.0x3.9x0.8in.) |

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