

Kvaser Leaf Professional with MagiSync USB/CAN interface with extreme performance

PartNO:MPKV-CAN-U2C-LeafPro-HS-1

MPKV-CAN-U2C-LeafPro-HS-2

MPKV-CAN-U2C-LeafPro-LS

MPKV-CAN-U2C-LeafPro-SWC

MPKV-CAN-U2C-LeafPro-LIN



Application support

AFT MARC I™

ATI Apollo™

ATI CANlab™

ATI Vision™

Ficosa CANica™

Influx Module Analyzer™

Kvaser CanKing™

National Instruments DIAdem™

National Instruments LabView™

Port CANopen Configuration™

PPE PCMSCAN™

TKE CANtrace™

TKE CANopen Configuration™

VAT 2000™

Vector CANalyzer™

Vector CANoe™

Warwick X-Analyser™

Xtm

Software Platforms

Windows Vista;

Windows XP/2000/Server 2003; Windows 98/ME;

Windows CE;

Linux

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.

Software and documentation

- Kvaser CANLIB SDK, which includes everything you need to develop software for the Kvaser CAN boards. Includes full documentation and many program samples, written in C, C++, Delphi, Visual Basic, and C#. All Kvaser CAN interface boards share a common software API. Programs written for one board type will run without modifications on the other board types!
- J2534 Application Programming Interface
- RP1210A Application Programming Interface
- Documentation, software and drivers can be downloaded for free from www.kvaser.com, or they can be purchased on CD if preferred. Updates of the software are regularly posted on the web.
- Kvaser CanKing for Windows, a general-purpose interactive CAN bus monitor/analyzer with special support for CanKingdom and DeviceNet™.

More product information

- Download the Kvaser Leaf Product Comparison Table to compare the three members in the Kvaser Leaf family.
- Here's a table showing the driver support.
- Download the product sheet for Kvaser Leaf Professional.
- Download the User's Guide here.
- Read about Kvaser MagiSync™.

Product versions

- **Kvaser Leaf Professional HS-1**
One channel USB-to-bus interface for High-Speed CAN (ISO 11898-2). Interfaces the CAN bus with a 9-pin D-SUB connector. Handles a bit rate from 5 kbits/s up to 1 Mbits/s. .
- **Kvaser Leaf Professional HS-2**
One channel USB to bus interface for High-Speed CAN (ISO

11898-2). Interfaces the CAN bus with a OBD2 connector.
Handles a bit rate from 5kbits/s up to 1 Mbits/s

- **Kvaser Leaf Professional LS**

One channel USB-to-bus interface for Low-Speed CAN (ISO 11898-3). Interfaces the CAN bus with a 9-pin D-SUB connector. Handles a bit rate from 5 kbits/s up to 125 kbits/s.

- **Kvaser Leaf Professional SWC**

One channel USB-to-bus interface for Single-Wire CAN (SAE J2411, GMLAN). Interfaces the CAN bus with a 9-pin D-SUB connector. Handles a bit rate from 5 kbits/s up to 50 kbits/s (100 in high-speed mode)

- **Kvaser Leaf Professional LIN**

One channel USB-to-bus interface for LIN. Interfaces the CAN bus with a 9-pin D-SUB connector.

