



Kvaser Leaf Professional HS

EAN: 73-30130-00243-2

Kvaser Leaf Professional is a one channel, high performance, USB interface for High Speed 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.

Major Features

- Supports High Speed CAN (ISO 11898-2).
- Automatic and accurate clock synchronization between several Kvaser Leaf Professional interfaces through Kvaser MagiSync™. The technical solution is unique and patented by Kvaser.
- Handles up to 20,000 messages per second, time-stamped and synchronized with a precision of 1 microsecond.
- 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.
- 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.

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 PROFESSIONAL HS

| | |
|---------------------------------|------------------------------|
| ON-BOARD TX BUFFER | Yes |
| CERTIFICATIONS | CE,RoHS |
| EMBEDDED SCRIPT | No |
| MAXIMUM BITRATE (KBPS) | 1000 |
| TIMESTAMP RESOLUTION (US) | 1 |
| OPERATING SYSTEM | Win Vista,Win 8,Win 7,Win XP |
| CONNECTOR | DSUB 9 |
| ON-BOARD RX BUFFER | Yes |
| MSGRATE TX MAX | 20000 |
| ERROR FRAME DETECTION | Yes |
| SOUND | Yes |
| IP CLASS | N/A |
| OPERATING TEMPERATURE RANGE (C) | -40.00 to 85.00 |
| WEIGHT (G) | 100.0 |
| CLOCK SYNC | Yes |
| MSGRATE RX MAX | 20000 |
| MINIMUM BITRATE (KBPS) | 5 |
| RUGGED | No |
| API, LICENCED | None |
| GALVANIC ISOLATION | Yes |
| API, FREE | Kvaser API, J2534, RP 1210 |
| NETWORK CHANNEL(S) | 1 x CAN HS |
| CASING MATERIAL | - |
| WIDTH (MM) | 25 |
| LENGTH (MM) | 100 |
| ERROR FRAME GENERATION | Yes |
| STATUS | Active |



Kvaser Leaf Professional HS

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|------------------------|-----|
| ERROR COUNTERS READING | Yes |
| HEIGHT (MM) | 20 |
| ON-BOARD BUFFER | Yes |
| PC INTERFACE | USB |
| # OF CAN CHANNELS | 1 |
| SILENT MODE | Yes |

The information herein is subject to change without notice