KVASER LEAF PROFESSIONAL SWC

EAN 73-30130-00264-7

Kvaser Leaf Professional is a one channel, high performance, USB interface for Single Wire 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.

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Major Features

- Supports Single Wire CAN (SAE J2534)
- 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 DSUB 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 Data

Bitrate	5-100 kbps
Temp Range	-40 - 85 °C
Timestamp	1
Messages Per Second Receive	2000 mps
Messages Per Second Sending	2000 mps
Weight	100 g
Length	100 mm
Height	20 mm
Channels	1
Certificates	CE, RoHS
Interfaces	USB
Categories	PC Interfaces, Interfaces
OS	Windows 10, 8, 7, XP, Vista and Linux
Connectors	DSUB 9
Buffers	Auto RX Buffers, Auto TX Buffers, On Board Buffer
Galvanic Isolation	Yes
Error Frame Generation	Yes
Error Counters Reading	No
Silent Mode	Yes
Material	Glass Fiber Reinforced PA6
Sound	Yes
Current Consumption	Typical 70mA

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.

Online documentation in Windows HTML-Help and Adobe Acrobat format.