



Kvaser Leaf Professional HS

EAN: 73-30130-00243-2

NOTE: The Kvaser Leaf Professional HS (73-30130-00243-2) has been marked "End of Life". Existing customers are encouraged to migrate to the [Kvaser Leaf Pro HS v2 \(73-30130-00843-4\)](https://www.kvaser.com/products/kvaser-leaf-pro-hs-v2).

For more information, please [contact us](#).

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

CAN FD	No
OPERATING SYSTEM	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
ERROR FRAME GENERATION	Yes
TIMESTAMP RESOLUTION (US)	1
SOUND	Yes
WEIGHT (G)	100.0
ON-BOARD BUFFER	Yes
SILENT MODE	Yes
ON-BOARD RX BUFFER	Yes
CLOCK SYNC	Yes
MAXIMUM BITRATE (KBPS)	1000
DATABASE DBC SUPPORT	No
IP CLASS	IP40
# OF CAN CHANNELS	1
CERTIFICATIONS	CE, RoHS
EMBEDDED SCRIPT	No
ERROR COUNTERS READING	Yes
CONNECTOR	DSUB 9
CB BOARD	No
PC INTERFACE	USB
HEIGHT (MM)	20
OPERATING TEMPERATURE RANGE (C)	-40.00 to 85.00
PRODUCT GROUPS	Leaf
API, FREE	Kvaser API, J2534, RP 1210
STATUS	Obsolete
GALVANIC ISOLATION	Yes
ON-BOARD TX BUFFER	Yes



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RUGGED	No
CURRENT CONSUMPTION	Typical 70mA
MINIMUM BITRATE (KBPS)	5
API, LICENCED	None
MSGRATE TX MAX	20000
LENGTH (MM)	100
CASING MATERIAL	Glass Fiber Reinforced PA6
ERROR FRAME DETECTION	Yes
MSGRATE RX MAX	20000
NETWORK CHANNEL(S)	1 x CAN HS
WIDTH (MM)	25

The information herein is subject to change without notice