



## **KVASER LEAF PRO HS V2**

EAN 73-30130-00843-4

The Kvaser Leaf Pro HS v2 and Kvaser Leaf Pro HS v2 OBDII bring programmability to users' fingertips, as well as CAN with Flexible Data-Rate (CAN FD). With a maximum message rate of 20000 messages per second, each time-stamped with a one-microsecond accuracy, these are highly advanced, real-time CAN-to-USB interfaces that can be customised using Kvaser's t programming language.

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## Major Features

- Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Power is taken from the USB bus.
- Galvanic isolation.
- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.
- Fully compatible with J1939, CANopen, NMEA 2000 and DeviceNet.
- Kvaser MagiSync provides automatic time synchronization between several PC-to-bus interfaces connected to the same PC.
- Programming functionality to support interface mode, e.g. optimize protocol handling, pre-filter CAN messages directly on the interface, or simulate missing hardware.

## Technical Data

CAN Bit Rate	40 kbit/s to 1 Mbit/s
CAN Channels	1
CAN Controller	Kvaser CAN IP in FPGA
CAN FD Ready	Yes
CAN Transceivers	MCP2561FD (Compliant with ISO 11898-2)
Dimensions	35x165x17 mm
Error Frame Detection	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
Hardware Configuration	Done by software (Plug & Play)
Kvaser MagiSync	Yes
Max Message Rate	20000 per channel
Operating Temperature	-40°C to +85°C
PC Interface	USB Hi-Speed
Power Consumption	max 195mA
Relative Humidity	0% to 85% (non-condensing)
Silent Mode	Yes
OS	Windows 10, 8, 7 and Vista
Storage Temperature	-40°C to +85°C
Time Stamp Resolution	1 µs
Weight	120 g



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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.