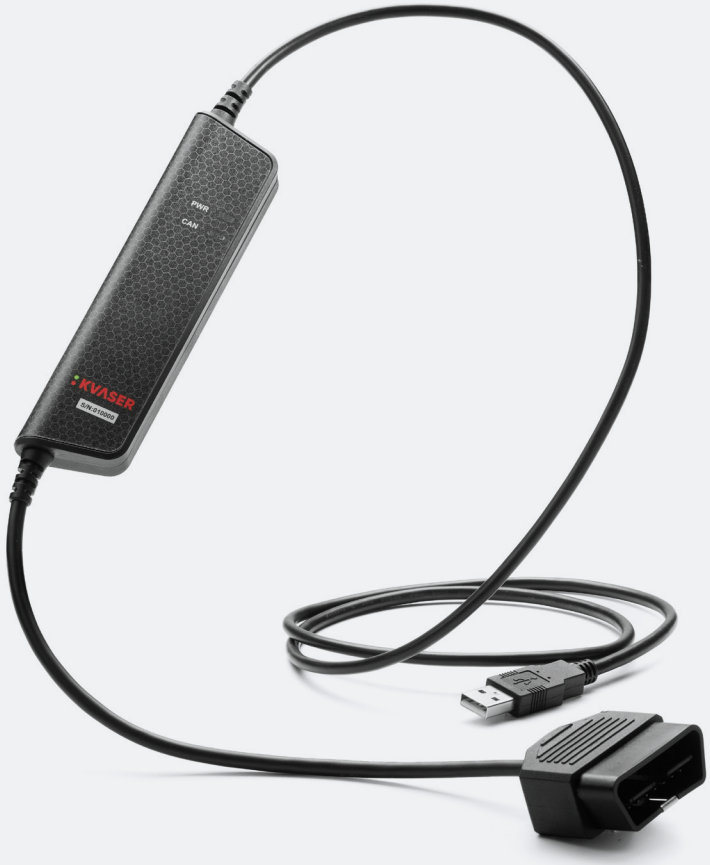
KVASER
Advancing connectivity

Kvaser Leaf v3 OBD II

Learn more about this product



Your Gateway to Efficient Connectivity

The Kvaser Leaf v3 OBD II provides seamless access to vehicle diagnostics from your PC. It features a USB Type-A connector and a 16-pin OBD II connector, offering direct access to data from the Engine Control Unit (ECU). The ECU stores diagnostic trouble codes (DTCs), enabling your software to retrieve engine performance data, fuel efficiency metrics, emissions information, and system error codes via the OBD II interface.

Capable of processing up to 20,000 messages per second, each timestamped with 50-microsecond accuracy, the Leaf v3 OBD II is the ideal Vehicle Communication Interface (VCI), suitable for development purposes, production, after-sales and repair. It includes standard galvanic isolation for reliable and safe operation.

Warranty
2-Year warranty. See our general conditions and policies for details.

Support
Free support for all products by contacting support@kvaser.com

EAN
73-30130-01430-5

Ref. No. 98395-3 v. 2.0

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Major Features

- USB 2.0 CAN interface.
- Powered through the USB Type A-connector.
- Compact 16-pin OBD II connector with extra strong strain relief.
- Supports CAN FD, up to 8 Mbit/s.
- Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Supports silent mode for analysis tools – listen to the bus without interfering.
- 20 000 msg/s, each timestamped with a resolution of 50 µs.
- Fully compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.
- Support for SocketCAN.
- Supports simultaneous usage of multiple Kvaser interfaces.
- Compatible with J1939, CANopen, NMEA 2000® and DeviceNet. Higher layer protocol translation handled by the user's application. For software support please see our Technical Associates products and our Software Download page (www.kvaser.com).

Support

Documentation, Kvaser SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser 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, Visual Basic, Python and *t* script language.

Kvaser CAN hardware is built around the same common software API. Applications developed using one device type will run without modification on other device types.

Technical Data

CAN Bit Rate	20 kbit/s to 1 Mbit/s
CAN Channels	1
CAN FD Bit Rate	Up to 8 Mbit/s
CAN Transceivers	Compliant with ISO 11898-2
Connector	16-pin OBD II
Dimensions	35 x 165 x 17 (including strain relief)
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
IP Rating (Housing)	IP40
IP Rating (CAN connector)	IP40 (Mated)
IP Rating (USB connector)	IP40 (Mated)
Kvaser CANtegrity	No
Kvaser MagiSync	No
Kvaser *t*-Script	No
Operating Systems	Linux, Windows [1]
Operating Temperature Range	-20 to +70 °C
Power Consumption	Typical 100 mA
Regulatory Compliance	CE, FCC
Silent Mode	Yes
Timestamp Resolution	50 µs
Weight	130 g

[1] Windows 10 (IA-32 and x86-64)
Windows 11 (x86-64)

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