KVASER
Advancing connectivity

Kvaser Leaf v3

Learn more about this product

Your Gateway to Efficient Connectivity

The Kvaser Leaf v3 represents one of the easiest and lowest-cost methods of connecting a computer to a CAN bus network in order to monitor and transmit CAN and CAN FD data. With its standard USB type "A" connector and 9-pin D-SUB connector, the Leaf v3's sleek, ergonomically designed housing is both robust enough for every-day use and small and flexible enough to be used in space-constrained applications.

The Kvaser Leaf v3 can handle up to 20 000 messages per second, each timestamped with a 50-microsecond accuracy. No external power is needed and galvanic isolation is standard.

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

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

EAN
73-30130-01424-4

Ref. No. 98277-2 v. 2.0

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Major Features

- USB 2.0 CAN interface.
- Powered through the USB type "A" connector.
- 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	9-pin D-SUB USB type "A"
Dimensions	35 x 165 x 17 mm
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
Operating Systems	Linux, Windows [1]
Operating Temperature Range	-20 to +70 °C
Power Consumtion	Typical 100 mA
Regulatory Compliance	CE, FCC
Silent Mode	Yes
Timestamp Resolution	50 µs
Weight	110 g

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

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