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Your Gateway to Efficient Connectivity

The Kvaser Leaf v3 J1939-13 is a reliable tool for connecting a computer to a CAN bus network, enabling the monitoring and transmission of CAN and CAN FD data. It features a USB Type-A connector and a 9-pin J1939-13 Type II connector; the latter is commonly used for diagnostics and communication in heavy-duty vehicles.

The Type II connector, colour-coded in green and supporting either 250 Kbps or 500 Kbps, is backward-compatible with the older Type I connector, colour-coded in black and limited to 250 Kbps.

Offering excellent value, the Kvaser Leaf v3 J1939-13 ensures reliable communication for vehicle networks where the J1939 protocol is critical.



Warranty

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



Support

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



EAN

73-30130-01426-8

Major Features

- USB 2.0 CAN interface.
- Powered through the USB Type-A connector.
- Compact 9-pin J1939-13 Type 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 μ s.
- 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 J1939-13 Type II
Dimensions	35 x 165 x 17 mm (including strain relief)
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
IP Rating (Housing)	IP40
IP Rating (CAN connector)	IP67 (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 μ s
Weight	160 g

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

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