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## Your Gateway to Efficient Connectivity

The Kvaser Leaf v3 CB is the circuit board version of Kvaser's popular single-channel, high speed, USB-to-CAN bus interface, the Kvaser Leaf v3. This board boasts a timestamp precision of 50  $\mu$ s and support for a wide CAN bit rate range from 20 kbit/s to 1 Mbit/s. Message rate has been boosted significantly to 20,000 msg/s.

The Kvaser Leaf v3 CB remains the industry standard for reliable, low-cost CAN interfaces, while introducing a key feature beyond CAN FD support: silent mode, which allows listening to a CAN bus without transmitting.

For customers looking to replace the Kvaser Leaf Light HS v2 CB (00733-8), the Kvaser Leaf v3 CB retains the same dimensions, mounting hole locations, and LED positions, while new soldering options support alternative connectors or self-build PC applications.

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

 **Support**  
Free support for all products by contacting [support@kvaser.com](mailto:support@kvaser.com)

 **EAN**  
73-30130-01532-6

## Major Features

- USB CAN interface.
- Powered through USB.
- Additional through holes pads for reliable soldering of connection cables.
- 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.
- 20000 msg/s, each timestamped with a resolution of 50  $\mu$ s.
- Fully compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.
- Support for SocketCAN.
- Support 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](http://www.kvaser.com)).

## Support

Documentation, Kvaser SDK and drivers can be downloaded for free at [www.kvaser.com/downloads](http://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

<b>CAN Bit Rate</b>	20 kbit/s to 1 Mbit/s
<b>CAN Channels</b>	1
<b>CAN FD Bit Rate</b>	Up to 8 Mbit/s
<b>CAN Transceivers</b>	Compliant with ISO 11898-2
<b>Dimensions</b>	27 x 100 x 5 mm
<b>Error Frame Detection</b>	Yes
<b>Error Frame Generation</b>	No
<b>Galvanic Isolation</b>	Yes
<b>Interface</b>	USB 2.0
<b>Kvaser CANtegrity</b>	No
<b>Kvaser MagiSync</b>	No
<b>Kvaser t Script</b>	No
<b>Max message rate</b>	20000 msg/s
<b>Operating Systems</b>	Linux, Windows <sup>1</sup>
<b>Power Consumption</b>	Typical 100 mA
<b>Regulatory Compliance</b>	CE, FCC
<b>Relative humidity</b>	0 % to 85 % (non-condensing)
<b>Silent Mode</b>	Yes
<b>Temperature Range</b>	-20 to +70 °C
<b>Timestamp Resolution</b>	50 $\mu$ s
<b>Weight</b>	10 g

<sup>1</sup> Windows 10 (IA-32 and x86-64)  
Windows 11 (x86-64)



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