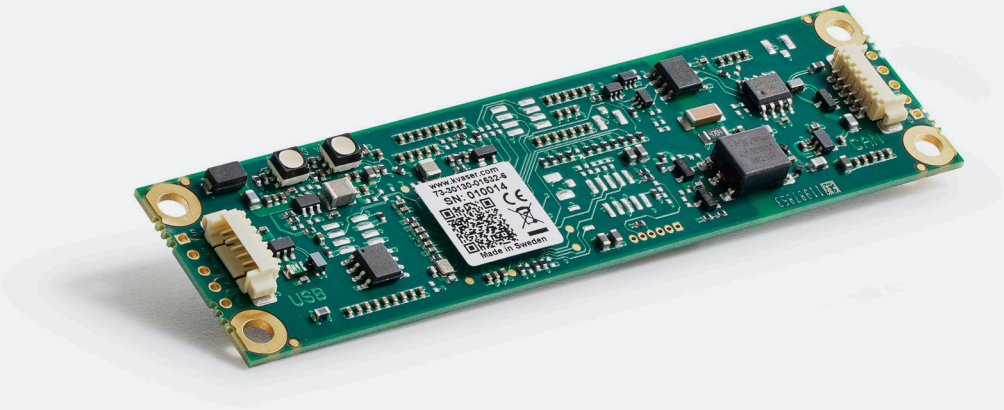
KVASER
Advancing connectivity

# Kvaser Leaf v3 CB

Learn more about this product



## 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 µs 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

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

Ref. No. 98391-5 v. 2.0

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## 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 analasis tools –listen to the bus without interfering.
- 20000 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.
- 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).

## 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 |
| **Dimensions** | 27 x 100 x 5 mm |
| **Error Frame Detection** | Yes |
| **Error Frame Generation** | No |
| **Galvanic Isolation** | Yes |
| **Interface** | USB 2.0 |
| **Kvaser CANtegrity** | No |
| **Kvaser MagiSync** | No |
| **Kvaser *t* Script** | No |
| **Max message rate** | 20000 msg/s |
| **Operating Systems** | Linux, Windows [1] |
| **Power Consumtion** | Typical 100 mA |
| **Regulatory Compliance** | CE, FCC |
| **Relative humidity** | 0 % to 85 % (non-condensing) |
| **Silent Mode** | Yes |
| **Temperature Range** | -20 to +70 °C |
| **Timestamp Resolution** | 50 µs |
| **Weight** | 10 g |

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

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