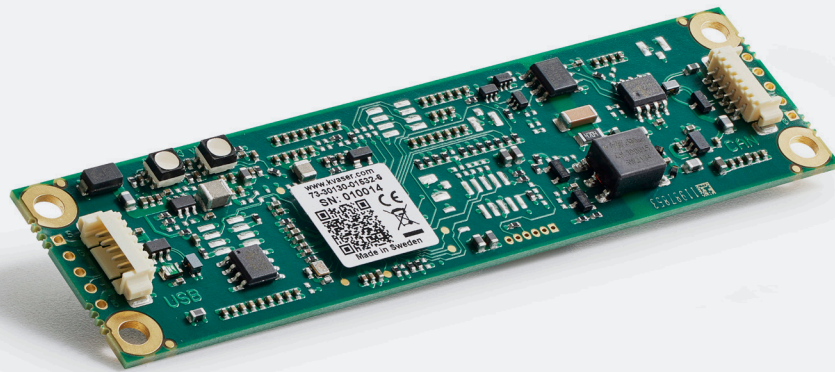




Learn more about
this product



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 μ 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



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 μ 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).

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 MagiSync	No
Kvaser t Script	No
Kvaser CANtegrity	No
Max message rate	20000 msg/s
Operating Systems	Linux, Windows ¹
Power Consumption	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 μ s
Weight	10 g

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