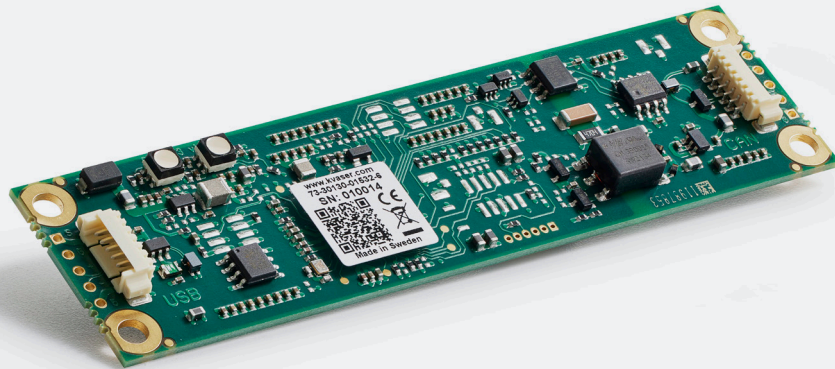Learn more about this product

Your Gateway to Efficient Connectivity

The Kvaser Leaf v3 CB is the perfect solution for those seeking a reliable and customizable CAN bus interface for integration into a wide range of embedded systems. Designed to be easily integrated in custom-built embedded computer solutions, it provides ultra-precise timestamping at 50-microsecond intervals, ensuring accurate message handling in every application. Supporting both standard 11-bit (CAN 2.0A) and extended 29-bit (CAN 2.0B) identifiers, along with high-speed data transmission using CAN FD at up to 8 Mbit/s, it's ideal for various embedded applications.

Thanks to its compact design and flexible integration capabilities, the Kvaser Leaf v3 CB allows for seamless incorporation into customer-specific embedded systems, offering plug-and-play simplicity via USB.

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

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 interlaces.

- 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* programming 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
Certifications	CE, RoHS
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
Relative humidity	0 % to 85 % (non-condensing)
Silent Mode	Yes
Temperature Range	-20 to +70 °C
Timestamp Resolution	50 µs
Weight	5 g

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