Learn more about this product

Your Gateway to Efficient Connectivity

The Kvaser Leaf v3 represents one of the easiest and lowest-cost methods of connecting a computer to a CAN bus network in order to monitor and transmit CAN and CAN FD data. With its standard USB type "A" connector and 9-pin D-SUB connector, the Leaf v3's sleek, ergonomically designed housing is both robust enough for every-day use and small and flexible enough to be used in space-constrained applications.

The Leaf v3 can handle up to 20 000 messages per second, each timestamped with a 50-microsecond accuracy. No external power is needed and galvanic isolation is standard.

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

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

EAN
73-30130-01424-4

Major Features

- USB 2.0 CAN interface.

- Powered through the USB type "A" connector.

- 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 µs.

- 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 CANlib SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser CANlib 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	MCP2561FD
Certifications	CE, RoHS
Connector	9-pin D-SUB USB type "A"
Dimensions	35 x 165 x 17 mm
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
Operating Systems	Linux, Windows [1]
Operating Temperature Range	-20 to +70 °C
Power Consumtion	Typical 100 mA
Silent Mode	Yes
Timestamp Resolution	50 µs
Weight	110 g

[1] Windows 7, 8, 10 (IA-32 and x86-64)
Windows 11 (x86-64)

: KVASER

Advancing connectivity

Learn more about
this product

Your Gateway to Efficient Connectivity

The Kvaser Leaf Light R v2 is the rugged version of Kvaser's popular Leaf Light v2 interface. This is a single channel CAN bus interface with a lightweight yet highly durable, IP65-rated housing that assures reliable protection against water and dust ingress. Vibration, shock and drop proof, this interface belongs to Kvaser's Rugged range and operates over a temperature range of -40 to +70 °C.

With a standard USB2.0 connection and a high-speed CAN channel in a 9-pin D-SUB CAN connector, the Kvaser Leaf Light R v2 handles transmission and reception of standard and extended CAN messages, with a time stamp precision of 100 microseconds. Features include error frame detection and LED indicators for power and CAN channel status.

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

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

EAN
73-30130-00921-9

Major Features

- IP65 rated lightweight aluminum housing, sealed with polyurethane coating.

- Capable of sending up to 8000 messages per second, time-stamped with 100 microsecond accuracy.

- Quick and easy plug-and-play installation.

- Supports High Speed CAN (ISO 11898-2) up to 1 Mbit/s.

- Supports both 11-bit (CAN 2.0A) and 29bit (CAN 2.0B active) identifiers.

- Power is taken from the USB bus.

- Detection of error frames.

- LED lights alert user to device status.

- 100% compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.

- Operating temperature range from -40 to 70 °C.

- 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 CANlib SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser CANlib 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

Bit Rate	5-1000 kbps
Certificates	CE, RoHS
Channels	1
Connector	DSUB 9
Dimensions	30 x 200 x 17 mm for body incl. strain relief
Error Frame Generation	No
Error Counters Reading	No
Galvanic Isolation	Yes
Interfaces	USB, CAN
Messages Per Second Receive	8000 mps
Messages Per Second Sending	8000 mps
Operative Systems	Linux, Windows [1]
Silent Mode	No
Temperature Range	-40 to +70 °C
Weight	148 g

[1] Windows 7, 8, 10 (IA-32 and x86-64)
Windows 11 (x86-64)

KVASER
Advancing connectivity

Learn more about
this product

Your Gateway to Efficient Connectivity

The The Leaf Light HS v2 M12 is the marine version of Kvaser's popular Leaf Light v2 interface. This device provides a simple way of connecting a PC with the on-board computer of a marine electronics system by means of its standard USB 2.0 connector and a 5-pin CAN connector.

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

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

EAN
73-30130-00881-6

Major Features

- Standard USB Type A-connector and 5-pin CAN connector.

- Capable of sending up to 8000 messages per second, each time-stamped with 100 microsecond accuracy.

- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.

- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.

- Galvanic isolation, enhancing protection from power surges or electrical shocks.

- 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 CANlib SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser CANlib 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

Bit Rate	40 - 1000 kbp/s
CAN Channels	1
Casing Material	PA66
Connector	M12 5-pin
Current Consumption	90 mA
Dimensions	35 x 165 x 17 mm
Error Frame Detection	Yes
Galvanic Isolation	Yes
IP Class	IP40
Operating Systems	Linux, Windows [1]
Operating Temperature	-40 to +70 °C
PC Interface	USB
Silent Mode	No
Timestamp Resolution	100 µs
Weight	106 g

[1] Windows 7, 8, 10 (IA-32 and x86-64)
Windows 11 (x86-64)

Learn more about this product

Your Gateway to Efficient Connectivity

The Kvaser Leaf Light HS v2 J1939-13 Type II provides a simple way of connecting a PC with the on-board computer of any J1939 compliant vehicle or industrial system. Get diagnostic data by means of its USB 2.0 connector and a 9-pin J1939-13 (Type II) compliant CAN connector, which is colour-coded in green and supports either 250 Kbps or 500 Kbps vehicle networks.

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

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

EAN
73-30130-00915-8

Ref. No. 98321-2 v. 2.0

: KVASER

Advancing connectivity

Major Features

- Standard USB Type-A connector and a J1939-13 Type II compliant CAN connector.

- Capable of sending up to 8000 messages per second, each time-stamped with 100 microsecond accuracy.

- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.

- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.

- Galvanic isolation, enhancing protection from power surges or electrical shocks.

- 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 CANlib SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser CANlib 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

Bit Rate	40-1000 kbp/s
Certificates	CE, RoHS
Channels	1
Connector	J1939-13 Type II
Current Consumption	Typical 90 mA
Dimensions	35 x 165 x 17 mm incl. strain relief
Error Frame Generation	No
Error Counters Reading	No
Galvanic Isolation	Yes
Interfaces	USB, CAN
Material	PA66
Messages Per Second Receive	8000 mps
Messages Per Second Sending	8000 mps
Operating Systems	Linux, Windows [1]
Silent Mode	No
Temperature Range	-20 to +70 °C
Timestamp Resolution	100 µs
Weight	155 g

[1] Windows 7, 8, 10 (IA-32 and x86-64)
Windows 11 (x86-64)

KVASER
Advancing connectivity

Learn more about
this product
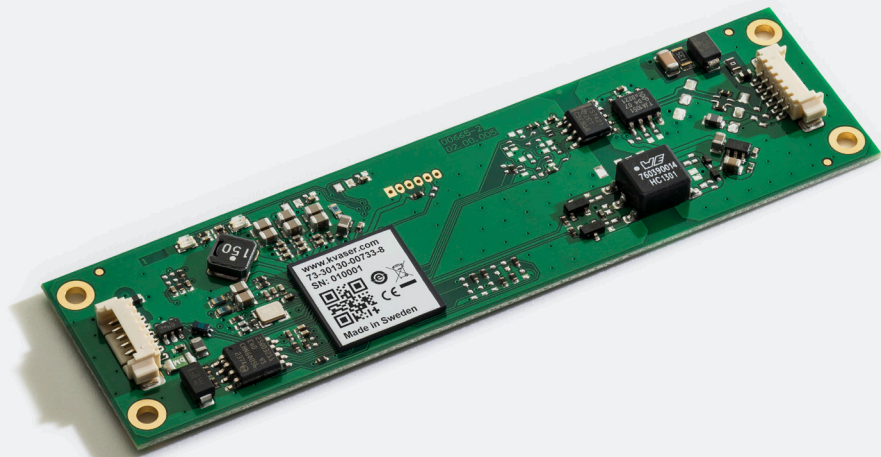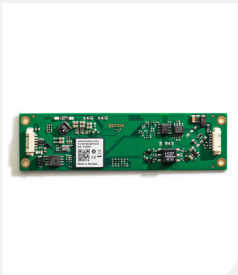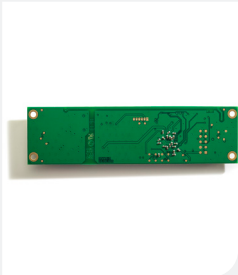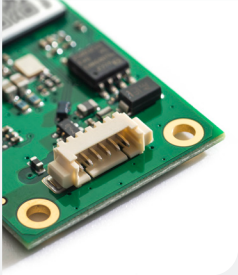
Your Gateway to Efficient Connectivity

The Leaf Light v2 CB is the bare circuit board version of Kvaser's popular Leaf Light v2 interface - a single-channel, high speed, USB-to-CANbus interface. Having made its name as the workhorse of USB to CAN interfaces, Kvaser's Leaf Light product series provides reliable, low cost connection to the PC.

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

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

EAN
73-30130-00733-8

Major Features

- The Kvaser Leaf Light HS V2 CB is a high-speed USB interface for CAN that offers loss free transmission and reception of standard and extended CAN messages on the CAN bus.

- Both USB and CAN are connected using 6-way connectors and mate with Molex 51021 PicoBladeTM (e.g. housing 510210600 and terminal 50079-8000).

- 8000 messages per second, each timestamped with 100 microsecond accuracy.

- Supports both 11-bit (CAN 2.0A) and 29bit (CAN 2.0B active) identifiers.

- High-speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.

- Galvanic isolation, enhancing protection from power surges or electrical shocks.

- Local buffering and preprocessing results in high performance and a reduction of time critical tasks for the PC.

- 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 CANlib SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser CANlib 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

Bit Rate	40-1000 kbps
Certificates	CE, RoHS
Channels	1
Connector	Molex Picoblade TM
Current Consumption	Typical 90 mA
Dimensions	27 x 100 x 5 mm
Error Frame Generation	No
Error Counters Reading	No
Galvanic Isolation	Yes
Interfaces	USB, CAN
Material	PA66
Messages Per Second Receive	8000 mps
Messages Per Second Sending	8000 mps
Operating Systems	Linux, Windows [1]
Silent Mode	No
Temperature Range	-20 to +70 °C
Timestamp	100
Weight	10 g

[1] Windows 7, 8, 10 (IA-32 and x86-64)
  Windows 11 (x86-64)