KVASER
Advancing connectivity

Kvaser Leaf Light R v2

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

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73-30130-00921-9

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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 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	50-1000 kbps
CAN Transceivers	TJA1051T (Compliant with ISO 11898-2)
Channels	1
Connector	DSUB 9
Dimensions	30 x 200 x 17 mm for body incl. strain relief
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
Host interface	USB Hi-Speed
Messages Per Second Receive	8000 mps
Messages Per Second Sending	8000 mps
Operative Systems	Linux, Windows [1]
Power consumption	90 mA at 5 V
Regulatory Compliance	CE, FCC
Silent Mode	No
Temperature Range	-40 to +70 °C
Timestamp	100 µs
Weight	148 g

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

Kvaser AB
Aminogatan 25A
SE-431 53 Mölndal
Sweden

Sales
sales@kvaser.com

Support
support@kvaser.com

Order
order@kvaser.com

kvaser.com

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