KVASER
Advancing connectivity

Kvaser USBcan R v2

Learn more about this product









Your Gateway to Efficient Connectivity

Kvaser USBcan R v2 2xHS is a lightweight, yet highly durable, two channel CAN bus interface. The IP65-rated housing is made of aluminum alloy, sealed with a heavy-duty polyurethane coating that assures reliable protection against water and dust ingress, and is vibration, shock and drop proof. With a standard USB2.0 connection and two high-speed CAN channels in two separate 9-pin D-SUB CAN connectors, the Kvaser USBcan R v2 2xHS handles transmission and reception of standard and extended CAN messages, with a time stamp precision of 100 microseconds. Features include error frame detection.

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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Major Features

- Connect to two CAN channels simultaneously using just one device.
- IP65 rated lightweight aluminum housing, sealed with polyurethane coating.
- Capable of sending up to 15000 messages per second, per channel, each time-stamped with 100 microsecond accuracies.
- 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 29-bit (CAN 2.0B active) identifiers.
- Power is taken from the USB bus.
- Detection of error frames.
- LED lights alert user to device status.
- 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 Channels	2
CAN Bit Rate	50 kbit/s to 1 Mbit/s
CAN Transceivers	TJA1051T (Compliant with ISO 11898-2)
Dimensions	30 x 200 x 17 mm for body incl. strain relief
Error Frame Detection	Yes
Error Frame Generation	No
Galvanic Isolation	Yes
Interfaces	USB, CAN
IP Class	IP65
Maximum Bitrate	1000 kbps
Minimum Bitrate	50 kbps
Max message rate	15000 msg/s per channel
Operating Systems	Linux, Windows [1]
Power consumption	140 mA at 5V
Regulatory Compliance	CE, FCC
Silent Mode	No
Temperature Range	-40 to +70 °C
Timestamp resolution	100 µs
Weight	176 g

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

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