



### Kvaser USBcan II HS/SWC

EAN: 73-30130-00231-9

The Kvaser USBcan II HS/SWC is a two-channel CANbus (controller area network) interface for USB 1.1 and 2.0. One channel is configured for High Speed CAN (ISO 11898-2); the second channel configure for Single-Wire CAN (SAE J2411). A flexible way to connect your desktop or laptop to the CANbus.

### Major Features

- Two channel CAN bus interface through a standard USB interface.
- One High Speed CAN channel (ISO 11898-2), and one Single Wire CAN channel (SAE J2411).
- Supports 11 bit (CAN 2.0A) as well as 29 bit (CAN 2.0B) identifiers.
- Native USB 1.1 support, forward compatible with USB 2.0 in full-speed mode (i.e. 12 Mbit/s).
- Contains the powerful Mitsubishi M16C microcontroller, with two built-in CAN controllers.
- Remote frames can be sent and received without restrictions.



- Detect and generate error frames on the CAN bus.
- Auto Transmit for placing messages on the bus at set intervals.

## Warranty

2-Year Warranty. See our General Conditions and Policies for details. Register your product at [kvaser.com/getting-started](https://kvaser.com/getting-started) for an additional 1-year Warranty Extension.

## Support

Free Technical Support on all products available by contacting [support@kvaser.com](mailto:support@kvaser.com).

## Software

- Documentation, software and drivers can be downloaded for free at [kvaser.com/downloads](https://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, and Visual Basic.
- All Kvaser CAN interface boards share a common software API. Programs written for one interface type will run without modifications on the other interface types!
- J2534 Application Programming Interface available.
- RP1210A Application Programming Interface available.
- On-line documentation in [Windows HTML-Help](#) and Adobe Acrobat format.



TECHNICAL DATA - KVASER USBCAN II HS/SWC

|                        |   |
|------------------------|---|
| PROMOTIONAL_TEXT       | Two channel interface for High Speed and Single Wire CAN (SAE J2411).                                       |
| HEIGHT (MM)            | 25  |
| DATABASE DBC SUPPORT   | No  |
| PC INTERFACE           | USB   |
| CONNECTOR              | DSUB 9  |
| API, LICENCED          | None  |
| CAN FD                 | No  |
| STATUS                 | Not for new designs   |
| NETWORK CHANNEL(S)     | 1 x CAN SWC,1 x CAN HS  |
| CERTIFICATIONS         | CE,RoHS   |
| ERROR FRAME DETECTION  | Yes   |
| RUGGED                 | No  |
| MSGRATE RX MAX         | 12000   |
| IP CLASS               | IP40  |
| ERROR FRAME GENERATION | Yes   |
| ON-BOARD TX BUFFER     | Yes   |
| CASING MATERIAL        | PC-ABS  |
| CURRENT CONSUMPTION    | 5V and ca. 130mA if powered from the USB side. Ca. 850mW (9 – 30V DC) if powered from the CAN bus connector |
| CIRCUIT BOARD          | No  |
| MINIMUM BITRATE (KBPS) | 20  |
| CLOCK SYNC             | No  |
| PRODUCT GROUPS         | USBcan  |
| MSGRATE TX MAX         | 6000  |
| SOUND                  | No  |
| OPERATING SYSTEM       | Linux,Win 7,Win 10,Win 8  |

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## Kvaser USBcan II HS/SWC

|                                 |                            |
|---------------------------------|----------------------------|
| ON-BOARD RX BUFFER              | Yes                        |
| TIMESTAMP RESOLUTION (US)       | 30                         |
| WEIGHT (G)                      | 150.0                      |
| # OF CAN CHANNELS               | 2                          |
| API, FREE                       | Kvaser API, J2534, RP 1210 |
| SILENT MODE                     | Yes                        |
| WIDTH (MM)                      | 50                         |
| GALVANIC ISOLATION              | No                         |
| ON-BOARD BUFFER                 | Yes                        |
| EMBEDDED SCRIPT                 | No                         |
| ERROR COUNTERS READING          | Yes                        |
| OPERATING TEMPERATURE RANGE (C) | -40 °C to +85 °C           |
| MAXIMUM BITRATE (KBPS)          | 1000                       |

The information herein is subject to change without notice