



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.

Support

Free Technical Support on all products available by contacting support@kvaser.com.

Software

- Documentation, software 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, 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

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|---------------------------------|---|
| ERROR FRAME GENERATION | Yes |
| HEIGHT (MM) | 25 |
| PROMOTIONAL_TEXT | CAN (SAE J2411) |
| OPERATING TEMPERATURE RANGE (C) | -40.00 to 85.00 |
| STATUS | Active |
| MSGRATE TX MAX | 6000 |
| ERROR COUNTERS READING | Yes |
| SILENT MODE | Yes |
| WEIGHT (G) | 150.0 |
| WIDTH (MM) | 50 |
| CASING MATERIAL | PC-ABS |
| MAXIMUM BITRATE (KBPS) | 1000 |
| IP CLASS | IP40 |
| CONNECTOR | DSUB 9 |
| API, FREE | Kvaser API, J2534, RP 1210 |
| CLOCK SYNC | No |
| MINIMUM BITRATE (KBPS) | 20 |
| PROMOTIONAL_TEXT | Two channel interface for High Speed and Single Wire CAN (SAE J2411). |
| MSGRATE RX MAX | 12000 |
| RUGGED | No |
| GALVANIC ISOLATION | No |
| EMBEDDED SCRIPT | No |
| API, LICENCED | None |
| CERTIFICATIONS | CE,RoHS |
| STATUS | Active |
| CB BOARD | No |



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|---------------------------|---|
| DATABASE DBC SUPPORT | No |
| PC INTERFACE | USB |
| CURRENT CONSUMPTION | 5V and ca. 130mA if powered from the USB side. Ca. 850mW (9 – 30V DC) if powered from the CAN bus connector |
| ON-BOARD BUFFER | Yes |
| PRODUCT GROUPS | USBcan |
| # OF CAN CHANNELS | 2 |
| PRODUCT GROUPS | USBcan |
| NETWORK CHANNEL(S) | 1 x CAN SWC,1 x CAN HS |
| OPERATING SYSTEM | Win XP, Linux, Win 7, Win Vista, Win 10, Win 8 |
| ON-BOARD RX BUFFER | Yes |
| CAN FD | No |
| ON-BOARD TX BUFFER | Yes |
| SOUND | No |
| TIMESTAMP RESOLUTION (US) | 30 |
| ERROR FRAME DETECTION | Yes |

The information herein is subject to change without notice