

Product information



Kvaser USBcan Rugged

CAN/USB Interface with 1 or 2 CAN channels and a solid design



The Kvaser USBcan Rugged has a CAN bus interface with a standard USB interface.

The Kvaser USBcan Rugged can be ordered with two High-Speed CAN channels (TJA1050 compliant), or one channel.

Major features of Kvaser USBcan Rugged

- One device for desktop and laptop.
- Quick and easy plug-and-play installation.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- CAN messages are time-stamped with 10 microseconds resolution.
- Large on-board RAM buffer for CAN message.
- Automatically switches power supply between CAN (primary) and USB (secondary), to reduce power drain of laptop battery.
- Supports "listen-only" mode for analyzing tools.
- High-performance driver support for major operating systems.
- 100% compatible with applications written for Leaf, LAPcan, PCICan, and PCcan with KVASER's CANlib.
- One CAN connection ISO-11898 High speed, 50 kbit/s up to 1 Mbit/s (transceiver Philips TJA1050).
- Optional, second CAN connection that can be either low-speed (transceiver Philips TJA1054) or high-speed (ISO-11898).
- One USB 1.1 connection (12 Mbit/s) that is USB 2.0 compliant
- Power from CAN-bus or from the USB side.
- Extensive software support
- Excellent EMC performance
- IP54 classed
- Rugged metal housing
- Fault tolerant electrical CAN interface





Additional software and documentation

- Kvaser CANLIB SDK, which includes everything you need to develop software for the Kvaser CAN boards. Includes full documentation and many program samples, written in C, C++, Delphi and Visual Basic. All Kvaser CAN interface boards share a common software API. Programs written for one board type will run without modifications on the other board types!
- On-line documentation in Windows HTML-Help and Adobe Acrobat format.
- Documentation software and drivers can be downloaded for free at www.kvaser.com or purchased separately on CD if preferred.

Product versions

- **Kvaser USBcan Rugged HS/HS (Item No. 00181-7)**
Two high-speed channels with ISO 11898-compliant transceivers (TJA1050)
- **Kvaser USBcan Rugged HS (Item No. 00180-0)**
One high-speed channel with ISO 11898-compliant transceiver (TJA1050)

Application support

ATI Vision™
ATI Apollo™
ATI CANlab™
Ficosa CANica™
Kvaser CanKing™
National Instruments LabView™
National Instruments DIAdem™
VAT 2000™
Warwick X-Analyser™
Vector CANalyzer™
Vector CANoe™
Vector CANape™
Warwick X-Analyser™
Xtm™ (distributed by agostec)

Software Platforms

Windows 2000/XP/Server 2003, Windows 98/ME