

## Kvaser USBcan Rugged



### Application Support

- ATI Apollo™
- ATI CANlab™
- ATI Vision™
- Ficoso CANica™
- Kvaser CanKing™
- National Instruments DIAdem™
- National Instruments LabView™
- VAT2000™
- Vector CANalyzer™
- Vector CANoe™
- Vector CANape™
- Warwick X-Analyser™
- Xtm™

### Supported OS

- Windows 98/ME/2000/CE/XP™
- Linux

### Product Versions

- Kvaser USBcan Rugged HS
- Kvaser USBcan Rugged HS/HS

The Kvaser USBcan Rugged provides a CAN bus interface through a standard USB interface.

The USBcan Rugged can be ordered with one or two high speed channels (TJA1050 (251) compliant).

Kvaser USBcan Rugged is a flexible way of communicate with the CAN bus through a desktop PC or laptop.

The USBcan Rugged device is a USB 1.1 device. It also works with USB 2.0 in full-speed mode, i.e. 12 Mbit/s. It contains the powerful M16C micro-controller from Mitsubishi with two built-in CAN controllers. It handles CAN messages with 11 bit (CAN 2.0A) as well as 29 bit (CAN 2.0B) identifiers. Remote frames can be sent and received without restrictions. USBcan Rugged can detect and generate error frames on the CAN bus.

The USBcan Rugged provides one channel or two completely independent CAN channels with two separate connectors. The CAN bus transceivers are integrated into the device.

The USBcan Rugged differs from the Kvaser USBcan II in the following respects:

- Rugged zinc housing.
- Extremely high EMC performance.
- Fixed USB cable with type "A" plug.
- IP54 Approved.

## Major features in Kvaser USBcan Rugged

- One device for desktop, laptop and PDA (device needs a USB port).
- 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 messages.
- Supports "listen-only" mode for analyzing tools.
- Driver support for major operating systems.
- 100% compatible with applications written for LAPcan, PCICan, and PCcan with Kvaser's CANlib.
- One or two CAN connection ISO-11898 high speed, 50 kbit/s up to 1 Mbit/s (e.g. Philips TJA1050).
- One USB 1.1 connection (12 Mbit/s) and USB 2.0 compliant.
- Power from the USB side.
- Ruggedized metal housing.
- 32-bit high performance driver support.

## Additional software and documentation

- CANlib SDK code libraries and sample programs.
- On-line documentation in Windows HTML-Help and drivers can be downloaded for free at [www.kvaser.com](http://www.kvaser.com)

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