



Kvaser USBcan Rugged HS

EAN: 73-30130-00180-0

The Kvaser USBcan Rugged is a two channel, high performance, CAN bus interface with a standard USB2.0 interface. The IP65-rated housing assures reliable protection against water and dust in harsh environments. Backward compliant with USB1.1, it features Auto Transmit for placing messages on the bus at set intervals.

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, PClcan, and PCcan with KVASER's CANlib.
- One CAN connection ISO-11898 High speed, 50kbit/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



TECHNICAL DATA - KVASER USBCAN RUGGED HS

PC INTERFACE	USB
ERROR COUNTERS READING	Yes
CIRCUIT BOARD	No
CONNECTOR	DSUB 9
OPERATING SYSTEM	Win XP, Linux, Win 7, Win Vista, Win 10, Win 8
CAN FD	No
EMBEDDED SCRIPT	No
CASING MATERIAL	Zink
SILENT MODE	Yes
ON-BOARD BUFFER	Yes
API, FREE	Kvaser API, J2534, RP 1210
GALVANIC ISOLATION	Yes
PRODUCT GROUPS	LIN, USBcan
LENGTH (MM)	130
WIDTH (MM)	70
ERROR FRAME GENERATION	Yes
TIMESTAMP RESOLUTION (US)	30
CURRENT CONSUMPTION	5V and ca. 130mA if powered from the USB side. Ca. 850mW (9 – 30V DC) if powered from the CAN bus connector
MINIMUM BITRATE (KBPS)	N/A
NETWORK CHANNEL(S)	1 x CAN HS
HEIGHT (MM)	30
MSGRATE TX MAX	6000
# OF CAN CHANNELS	1
CERTIFICATIONS	CE, RoHS
ON-BOARD TX BUFFER	Yes

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API, LICENCED	None
ERROR FRAME DETECTION	Yes
INVENTORY	Call Us
CLOCK SYNC	No
MAXIMUM BITRATE (KBPS)	1000
MSGRATE RX MAX	12000
IP CLASS	IP65
WEIGHT (G)	350.0
ON-BOARD RX BUFFER	Yes
SOUND	No
RUGGED	Yes
DATABASE DBC SUPPORT	No
STATUS	Obsolete
OPERATING TEMPERATURE RANGE (C)	-40 °C to +85 °C

The information herein is subject to change without notice