KVASER

Advanced CAN Solutions

Kvaser USBcan Professional

with MagiSync™

Application Support

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

Supported OS

- Windows Vista™
- Windows 2000/XP™
- Windows 98/ME™
- Windows NT4
- WinCE™
- Linux

Product Versions

- Kvaser USBcan Professional HS/HS
- Support for Kvaser Linx

The Kvaser USBcan Professional provides two CAN bus interfaces through a single USB connection. When combined with the Kvaser Linx, the Kvaser USBcan Professional also supports bus types like LIN, J1587, and SWC.

The Kvaser USBcan Professional supports Kvaser's MagiSync™ technology to synchronize time stamps across multiple units without extra wires providing flexibility for multi-channel applications.

Application Areas

The Kvaser USBcan Professional is a robust, easy to carry device designed for high-end applications. With quick reaction times and high data throughput, the Kvaser USBcan Professional is perfect for rapid ECU re-flashing, advanced bus analyzers, and efficient development work.

Excellent Software Support

The Kvaser CANlib Software Development Kit includes everything necessary to develop custom software using the Kvaser API, J2534 or RP1210A. The Kvaser USBcan Professional is software compatible with applications written for all other Kvaser products using the CANlib API. The Kvaser USBcan Professional is fully compatible with all higher layer protocols like J1939 and CANopen.

USB Interface

- Can be used with any desktop or laptop USB port.
- Designed for USB 2.0 (480 Mbit/s).
- Backward compatible with USB 1.1 (12Mbit/s).

Kvaser MagiSync

- Global time domain for all units connected.
- Instant synchronization when connected.
- No wires – no extra cables needed for synchronization.
- Superior precision – to the microsecond.
- Patented technology.

Bus Interface

- Bus driver stage is galvanically isolated to protect the hardware.
- Supports CAN 2.0A and 2.0B.
- Supports data and remote frames.
- Support for different bus types through Kvaser Linx.
- Labelled bus channel connectors for easy identification of the supported physical layer.

Contents of Delivery

- Kvaser USBcan Professional.
- Drivers and Kvaser CANlib SDK.
- Kvaser CANKing, free of charge CAN bus monitor.
- User's Guide and software updates available on the web site.

Technical Data

Kvaser USBcan Professional

USB interface	2.0
Number of CAN channels	2
Galvanic isolation	Yes
Bus interface performance (msgs/s)	40 000
Time stamp accuracy	2μs
Clock synch. between multiple devices	Yes
Error frame detection and generation	Yes
Error counters reading	Yes
Silent Mode	Yes
CAN 2.0 A and 2.0 B	Yes
Current consumption	130 mA
Temperature range	-40 +85 ˚C
Approx. Dimensions (W*L*H)	50*90*25 mm (2*3.6*1 in.)
LEDs	4

The information herein is subject to change without notice

KVASER

Aminogatan 25
SE 431 53 Mölndal, Sweden
Telephone: +46 (0)31 88 63 44
Fax: +46 (0)31 88 63 43
E-mail: sales@kvaser.com

www.kvaser.com