



KVASER USBCAN PROFESSIONAL RJ45

EAN 73-30130-00413-9

The Kvaser USBcan Professional RJ45 is a high performance, two channel CAN (controller area network) bus interface. A standard USB1.1 connection enables several interfaces to be easily connected to a PC. Standard RJ45 connectors allow the user to connect to the CANbus via ethernet port.

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Major Features

- Two high-speed channels with ISO 11898-2 compliant CAN transceivers.
- RJ45 connectors on both channels.
- Supports 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Automatic and accurate clock synchronization between several Kvaser USBcan Professional interfaces through Kvaser MagiSync™.
- Quick and easy plug-and-play installation.
- When combined with the Kvaser Linx, it also supports the J1587 bus.
- CAN messages time-stamped and synchronized with a precision of 2 microseconds.
- Silent mode for analyzing tools.
- Galvanic isolation of the CAN bus driver stage to protect the hardware.
- Designed for USB 2.0, backward compliant with USB 1.1.
- Large on-board RAM buffer for CAN message.
- Plastic housing with dimension W*L*H about 50*90*25 mm (approx 2 x 3,5 x 1 inch).
- A practically unlimited number of Kvaser USBcan Professional devices can be connected via standard USB hubs for simultaneous use on a single PC.
- Excellent error handling.
- Labeled CAN channel for easy identification of the supported physical layer.

Technical Data

| | |
|-----------------------------|---|
| Bitrate | 5-1000 kbps |
| Temp Range | -40 - 85 °C |
| Timestamp | 2 |
| Messages Per Second Receive | 20000 mps |
| Messages Per Second Sending | 20000 mps |
| Weight | 150 g |
| Length | 90 mm |
| Height | 25 mm |
| Channels | 2 |
| Certificates | CE, RoHS |
| Interfaces | USB |
| Categories | PC Interfaces, Interfaces |
| OS | Windows 10, 8, 7, XP, Vista and Linux |
| Connectors | RJ45 |
| Buffers | Auto RX Buffers, Auto TX Buffers, On Board Buffer |
| Galvanic Isolation | Yes |
| Error Frame Generation | Yes |
| Error Counters Reading | Yes |
| Silent Mode | Yes |
| Material | PC-ABS |
| Sound | No |
| Current Consumption | ~5V and 130mA when powered from the USB. |

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.

Online documentation in Windows HTML-Help and Adobe Acrobat format.