



## OEM: Create Your Own Multi-Channel USB Interface

Don't see a USBcan that's exactly right for you? Let us build you one.

Our hardware customization services put Kvaser's 30 years of CAN development experience to work for you. You'll get best-in-class hardware, built exactly the way you need it.



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# Kvaser USBcan

MULTI-CHANNEL  
CAN-TO-USB INTERFACES

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## Multi-Channel CAN-to-USB Interfaces

Kvaser's USBcan hardware offers compact, reliable and cost-effective multi-channel CAN-to-USB connections. Every USBcan model is carefully engineered with our customer's needs in mind, and they're compatible with software & services from over 100 technical partners.

## Main Features

- Easy Plug-and-Play Installation
- From 2 to 5 CAN Channels
- 8,000–20,000 Messages Per Second
- Up to 1 Mbit/s CAN Connection
- 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) Identifiers
- 2 year Standard Warranty; Register your product at [Kvaser.com/getting-started](http://Kvaser.com/getting-started) for additional 1 year warranty extension.
- Free Technical Support on all products available by contacting [support@kvaser.com](mailto:support@kvaser.com)
- Kvaser CANLIB SDK with API is a free resource to develop software for the Kvaser
- Supports J2534 and RP1210. CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, Java, Python and Visual Basic.
- Supports J2534 and RP1210.
- All models comply with CE and RoHS.



# USBcan Versions & Specifications

| Specs      | USBcan Light 2xHS | USBcan Light 4xHS | USBcan II HS/ SWC | USBcan II HS/ LS | USBcan Professional RJ45 | USBcan Pro 5xHS  | USBcan Pro 2xHS v2 | USBcan R v2      |
|------------|-------------------|-------------------|-------------------|------------------|--------------------------|------------------|--------------------|------------------|
| <b>EAN</b> | 73-30130-00714-7  | 73-30130-00831-1  | 73-30130-00231-9  | 73-30130-00174-9 | 73-30130-00413-9         | 73-30130-00779-6 | 73-30130-00752-9   | 73-30130-00920-2 |

## HARDWARE

|  |                 |                  |                 |                 |                 |                   |                  |                  |
|--|-----------------|------------------|-----------------|-----------------|-----------------|-------------------|------------------|------------------|
| <b># of CAN Channels</b>               | 2               | 4                | 2               | 2               | 2               | 5                 | 2                | 2                |
| <b>Casing Material</b>                 | PA66            | PA66             | PC-ABS          | PC-ABS          | PC-ABS          | PA66              | PA66             | Aluminium        |
| <b>Circuit Board version available</b> | No              | No               | No              | No              | No              | Yes               | Yes              | No               |
| <b>Connector</b>                       | DSUB 9          | 26-pin HD D-SUB* | DSUB 9          | DSUB 9          | RJ45            | 26-pin HD D-SUB** | DSUB 9           | DSUB 9           |
| <b>Dimensions (L x W x H) mm</b>       | 90 x 50 x 25 mm | 170 x 70 x 68 mm | 90 x 50 x 25 mm | 90 x 50 x 25 mm | 90 x 50 x 25 mm | 170 x 70 x 25 mm  | 170 x 70 x 25 mm | 200 x 30 x 20 mm |
| <b>Galvanic Isolation</b>              | Yes             | Yes              | No              | No              | Yes             | Yes               | Yes              | Yes              |
| <b>Interfaces</b>                      | USB             | USB              | USB             | USB             | USB             | USB               | USB              | USB              |
| <b>IP Class</b>                        | IP40            | IP40             | IP40            | IP40            | IP40            | IP40              | IP40             | IP65             |
| <b>Temperature Range</b>               | -20 to +70 °C   | -20 to +70 °C    | -40 to +85°C    | -40 to +85°C    | -40 to +85°C    | -40 to +85°C      | -40 to +85°C     | -40 to +70°C     |
| <b>Weight (g)</b>                      | 150 g           | 150 g*           | 150 g           | 150 g           | 150 g           | 170 g**           | 150 g            | 176 g            |
| <b>Circuit Board version available</b> | On Request      | On Request       | No              | No              | No              | On Request        | Yes              | No               |

## TECHNICAL PERFORMANCE

|  |                          |                          |                          |                          |                          |                          |                          |                          |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>11-bit CAN 2.0A &amp; 29-bit CAN 2.0B</b> | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      |
| <b>Arbitration Bitrate</b>                   | 50-1,000 kbps            | 50-1,000 kbps            | 50-1,000 kbps            | 20-1,000 kbps            | 5-1,000 kbps             | 40-1,000 kbps            | 50-1,000 kbps            | 40-1,000 kbps            |
| <b>Max Data Bitrate</b>                      | N/A                      | N/A                      | N/A                      | N/A                      | N/A                      | 8Mbit/s                  | 8Mbit/s                  | N/A                      |
| <b>CAN FD Capable</b>                        | No                       | No                       | No                       | No                       | No                       | ISO & Non-ISO            | ISO & Non-ISO            | No                       |
| <b>Clock Sync</b>                            | No                       | No                       | No                       | No                       | Yes                      | Yes                      | Yes                      | No                       |
| <b>t Programming</b>                         | No                       | No                       | No                       | No                       | No                       | No                       | Yes                      | No                       |
| <b>Error Counters Reading</b>                | No                       | No                       | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | No                       |
| <b>Error Frame Detection</b>                 | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      |
| <b>Error Frame Generation</b>                | No                       | No                       | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | No                       |
| <b>Messages Per Second Receiving</b>         | 8000                     | 8000                     | 12000                    | 12000                    | 20000                    | 20000                    | 20000                    | 15000                    |
| <b>Messages Per Second Sending</b>           | 8000                     | 8000                     | 6000                     | 6000                     | 20000                    | 20000                    | 20000                    | 15000                    |
| <b>On-board Buffer</b>                       | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      |
| <b>Operating System</b>                      | Windows Vista -10, Linux | Windows Vista -10, Linux | Windows Vista -10, Linux | Windows Vista -10, Linux | Windows Vista -10, Linux | Windows Vista -10, Linux | Windows Vista -10, Linux | Windows Vista -10, Linux |
| <b>Silent Mode</b>                           | No                       | No                       | Yes                      | Yes                      | Yes                      | Yes                      | Yes                      | No                       |
| <b>Timestamp Resolution</b>                  | 100 µs                   | 100 µs                   | 30 µs                    | 30 µs                    | 2 µs                     | 1 µs                     | 1 µs                     | 100 µs                   |

\*HD26-4xDS9 splitter included \*\*HD26-5xDS9 splitter included