



## 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.

**ATI** ACCURATE TECHNOLOGIES

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**ATI** ACCURATE TECHNOLOGIES

**KVASER**

# Kvaser USBcan

MULTI-CHANNEL  
CAN-TO-USB INTERFACES



# Kvaser USBcan

## 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
- Fully Compatible with J1939, CANopen, NMEA 2000 and DeviceNet
- Cross-Hardware Compatibility with Kvaser's API



# USBcan Versions & Specifications

Specs	USBcan Light 2xHS	USBcan Light 4xHS	USBcan II HS/SWC	USBcan II HS/LS	USBcan Pro 2xHS v2 CB	USBcan Professional RJ45	USBcan Pro 5xHS	USBcan Pro 2xHS v2	USBcan R
<b>EAN</b>	00714-7	00831-1	00231-9	00174-9	00877-9	00413-9	00779-6	00752-9	00579-2
<b># of Can Channels</b>	2	4	2	2	2	2	5	2	2
<b>11-bit CAN 2.0A</b>	Yes								
<b>29-bit CAN 2.0B</b>	Yes								
<b>Messages Per Second Sending</b>	8,000	8,000	6,000	6,000	20,000	20,000	20,000	20,000	15,000
<b>Messages Per Second Receiving</b>	8,000	8,000	12,000	12,000	20,000	20,000	20,000	20,000	15,000
<b>Bitrate</b>	40-1,000 kbps	50-1,000 kbps	1,000 kbps	20-1,000 kbps	50-1,000 kbps	5-1,000 kbps	40-1,000 kbps	50-1,000 kbps	20-1,000 kbps
<b>Timestamp Resolution</b>	100 µs	100 µs	30 µs	30 µs	1 µs	2 µs	1 µs	1 µs	100 µs
<b>CAN FD Capable</b>	No	No	No	No	Yes	No	Yes	Yes	No
<b>Galvanic Isolation</b>	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
<b>On-board Buffer</b>	Yes								
<b>Error Frame Detection</b>	Yes								
<b>Error Counters Reading</b>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No
<b>Error Frame Generation</b>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No
<b>Embedded Script</b>	No	No	No	No	Yes	No	No	Yes	No
<b>Silent Mode</b>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No
<b>Clock Sync</b>	No	No	No	No	Yes	Yes	Yes	Yes	No
<b>Connector</b>	DSUB 9	26-pin HD D-SUB*	DSUB 9	DSUB 9	MOLEX 6-PIN	RJ45	26-pin HD D-SUB**	DSUB 9	DSUB 9
<b>Interfaces</b>	USB								
<b>Rugged</b>	-	-	-	-	-	-	-	-	Yes
<b>Status</b>	Active	Active	Active	Active	Active	Active	Active	Active	Active
<b>Certifications</b>	CE,RoHS								
<b>Operating System</b>	Windows XP-10, Linux								
<b>Supported APIs</b>	CANKing, CANlib, J2534, RP 1210								
<b>Length (mm)</b>	90 mm	170 mm	90 mm	90 mm	100 mm	90 mm	170 mm	170 mm	200 mm
<b>Height (mm)</b>	25 mm	68 mm	25 mm	25 mm	6 mm	25 mm	25 mm	25 mm	20 mm
<b>Width (mm)</b>	50 mm	70 mm	50 mm	50 mm	42 mm	50 mm	70 mm	70 mm	30 mm
<b>Weight (g)</b>	150 g	150 g	150 g	150 g	-	150 g	150 g	150 g	200 g
<b>Casing Material</b>	PA66	PA66	PC-ABS	PC-ABS	-	PC-ABS	PA66	PA66	Aluminium
<b>Network Channel(s)</b>	2 x CAN HS	4 x CAN HS	1 x CAN HS,1 x CAN SWC	1 x CAN LS,1 x CAN HS	2 x CAN HS	2 x CAN HS	5 x CAN HS	2 x CAN HS	2 x CAN HS
<b>Temp Range</b>	-20-70 °C	-20-70 °C	-40-85 °C	-40-85 °C	-40-85 °C	-40-85 °C	-40-85 °C	-40-85 °C	-40-85 °C
<b>Warranty</b>	2-Year								

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