



## KVASER U100

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The Kvaser U100 is a robust, single-channel CAN/CAN FD to USB interface with reinforced galvanic isolation (Tested according to EN 60335) that squarely addresses the needs of the evolving automotive development market. Fully compatible with J1939, CANopen, NMEA 2000® and DeviceNet, this is the first in a new range of interfaces that is also suited to rugged applications in marine, industrial, heavy duty vehicle and heavy industries.

## Major Features

- Supports CAN FD, up to 8 Mbit/s (with correct physical layer implementation).
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Lightweight, glass fibre reinforced polyamide housing, overmolded with TPE.
- DB-9 connector (other connectors available soon).
- Intelligent LED UI.
- Reinforced Galvanic Isolation. (Tested according EN 60335-1:2012 paragraph 13, 5000VAC rms applied for 60 seconds)
- 20000 msg/s, each timestamped with a resolution of 100 µs.
- Support for SocketCAN.
- Compatible with J1939, CANopen, NMEA 2000® and DeviceNet.
- Fully compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.

## Technical Data

<b>CAN Bit Rate</b>	10 kbit/s to 1 Mbit/s
<b>CAN FD</b>	Yes
<b>CAN FD Bit Rate</b>	Up to 8 Mbit/s
<b>CAN Channels</b>	1
<b>CAN Transceivers</b>	ADM3055E
<b>Casing Material</b>	PA/TPE
<b>Connector</b>	DSUB 9
<b>Current Consumption</b>	Typical 250 mA
<b>Dimensions</b>	38 x 128 x 26 mm
<b>Galvanic Isolation</b>	Yes, reinforced. Validated with 5000 VAC rms applied for 60 seconds.
<b>IP Rating Housing</b>	IP67
<b>Operating Temperature Range</b>	-40 °C to +85 °C
<b>Timestamp Resolution</b>	100 µs
<b>Weight</b>	167 g
<b>Operating Systems</b>	Windows, Linux

## Software

Documentation, Kvaser CANlib SDK and drivers can be downloaded for free at [www.kvaser.com/downloads](http://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, Visual Basic, Python and t programming language.

Kvaser CAN hardware is built around the same common software API. Applications developed using one device type will run without modification on other device types