# KVASER U100

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The Kvaser U100 is a robust, single-channel CAN/CAN FD to USB interface with reinforced galvanic isolation 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.

**Warranty**
2-year warranty. See our General Conditions and Policies for details.

**Support**
Free support for all products by contacting support@kvaser.com.

## 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, design validated with 5000 VAC 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

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

## Software

Documentation, Kvaser CANlib SDK 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, 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

*KVASER*

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