



## **KVASER U100-C**

EAN: 73-30130-01340-7

The latest laptops and PCs come with USB-C slots only, so the Kvaser U100-C (01340-7) has been added to Kvaser's U100 range of robust, single-channel CAN/CAN FD to USB interfaces. This interface is based on the standard Kvaser U100 with DB-9 connector, but replaces the standard USB type "A" connector with the smaller USB-C format. As with other devices in the range, this is powered via the USB bus.

Robust, galvanically-reinforced (Tested according EN 60335) and signal and power isolated, the Kvaser U100 range offers enhanced electrical protection, a vibration, shock and drop-proof housing and high-quality cabling that establishes a new reference in CAN interface design.

### **Warranty**

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

### **Support**

Free support for all products by contacting [support@kvaser.com](mailto: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.
- USB-C connector.
- 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  $\mu$ s.
- Support for SocketCAN.
- Compatible with J1939, CANopen, NMEA 2000® and DeviceNet.
- Fully compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.

## 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

## 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 $\mu$ s  |
| <b>Weight</b>                      | 167 g  |
| <b>Operating Systems</b>           | Windows, Linux   |