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this product



## Your Gateway to Efficient Connectivity

The Kvaser U100-X2 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](mailto:support@kvaser.com)



### EAN

73-30130-01267-7

## 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.
- M12 5 pin connector (other connectors available).
- Intelligent LED UI.
- Reinforced Galvanic Isolation, 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. Higher layer protocol translation handled by the user's application. For software support please see our Technical Associates products and our Software Download page ([www.kvaser.com](http://www.kvaser.com)).

## Support

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

CAN Bit Rate	10 kbit/s to 1 Mbit/s
CAN Channels	1
CAN FD Bit Rate	Up to 8 Mbit/s
CAN Transceivers	11898-2 Compliant
Casing Material	PA/TPE
Certifications	CE, RoHS
Connector	M12 5 pin
Current Consumption	Typical 250 mA
Dimensions	38 x 128 x 26 mm
Galvanic Isolation	Yes
IP Rating Housing	IP67
Operating Systems	Linux, Windows <sup>1</sup>
Temperature Range	-40 to +85 °C
Timestamp Resolution	100 µs
Weight	159 g

<sup>1</sup> Windows 7, 8, 10 (IA-32 and x86-64)  
Windows 11 (x86-64)