KVASER
Advancing connectivity

Kvaser U100P

Learn more about this product







Your Gateway to Efficient Connectivity

The Kvaser U100P is the Precision version of Kvaser's U100 range of CAN to USB interfaces. Precision features comprise a high timestamp precision of 20 000 msg/s and MagiSync™, which makes it possible to synchronise time stamps across multiple Kvaser MagiSync™-enabled devices without requiring extra wires.

Robust, galvanically-reinforced 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

EAN
73-30130-01174-8

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Major Features

- Supports CAN FD up to 8 Mbit/s and high-speed CAN up to 1 Mbit/s with a CAN SIC transceiver.
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- Supports silent mode for analysis tools – listen to the bus without interfering.
- 20 000 msg/s, timestamped with a resolution of 1 µs.
- Kvaser MagiSync™ – automatic time synchronization.
- Powered through the USB connector.
- Lightweight, glass fibre reinforced polyamide housing, TPE overmolded.
- Reinforced Galvanic Isolation, 5000 VAC rms applied for 60 s.
- Intuitive LED UI.
- Support for SocketCAN.
- Fully compatible with applications written for other Kvaser CAN hardware with Kvaser CANlib.
- 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).

Support

Documentation, Kvaser SDK and drivers can be downloaded for free at www.kvaser.com/downloads.

Kvaser 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* script 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	CAN SIC, compliant with ISO 11898-2
Connector	D-SUB 9
Dimensions	38 x 128 x 26 mm
Error Frame Detection	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
IP Rating Housing	IP67
Operating Systems	Linux, Windows [1]
Power consumption	300 mA at 5 V
Regulatory Compliance	CE, FCC
Silent mode	Yes
Temperature Range	-40 to +85 °C
Timestamp Resolution	1 µs
Weight	168 g

[1] Windows 7, 8, 10 (IA-32 and x86-64)
Windows 11 (x86-64)

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