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

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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.
- 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, 5000VAC 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	11898-2 Compliant
Casing Material	PA/TPE
Connector	D-SUB 9
Current Consumption	Typical 250 mA
Dimensions	38 x 128 x 26 mm
Galvanic Isolation	Yes
IP Rating Housing	IP67
Operating Systems	Linux, Windows [1]
Regulatory Compliance	CE, FCC
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)

Kvaser AB
Aminogatan 25A
SE-431 53 Mölndal
Sweden

Sales
sales@kvaser.com

Support
support@kvaser.com

Order
order@kvaser.com

kvaser.com

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