KVASER U100P

EAN: 73-30130-01174-8

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.

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.
- 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, overmolded with TPE.
- Intuitive LED UI.
- 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

CAN Bit Rate	10 kbit/s to 1 Mbit/s
CAN FD	Yes
CAN FD Bit Rate	Up to 8 Mbit/s
CAN Channels	1
CAN Transceivers	ADM3055E
Casing Material	PA/TPE
Connector	DSUB 9
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	1 µs
Weight	170 g
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