Kvaser U100P-X1

EAN: 73-30130-01269-1

The Kvaser U100P-X1 is a robust, single-channel CAN/CAN FD to USB interface with reinforced galvanic isolation (Tested according EN 60335) 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.

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 robust housing made of glass fibre reinforced polyamide overmolded with TPE.
- Intuitive LED UI.
- Reinforced Galvanic Isolation. (Tested according EN 60335-1:2012 paragraph 13, 5000VAC rms applied for 60 seconds)
- 20 000 msg/s, each timestamped with a resolution of 1 µs.
- Support for SocketCAN
- Fully compatible with J1939, CANopen, NMEA 2000® and DeviceNet.
- IP67 rated housing.

Technical Data

CAN Bit Rate	10 kbit/s to 1 Mbit/s
CAN Channels	1
CAN Transceivers	ADM3055E
Certifications	CE, RoHS
Connector	J1939 Type-II
Current Consumption	Typical 250 mA
Dimensions	38 x 128 x 26 mm
Error Frame Detection	Yes
Error Frame Generation	Yes
Galvanic Isolation	Yes
MagiSync	Yes
Operating Temperature Range	-40 °C to +85 °C
Silent Mode	Yes
Timestamp Resolution	1 μs
Weight	212 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