

5-channel interface and data-logger

Kvaser has introduced a 5-channel CAN-to-USB interface and data-logger. It allows users to monitor and log data from multiple CAN channels using just one device. It supports J1939, CANopen, NMEA 2000, Devicenet, and in future CAN FD.

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The product will support CAN FD in the future (Photo: Kvaser)

The Kvaser Memorator Pro 5xHS time synchronizes the data transmitted and received across all five networks. Additionally it automatically synchronizes with other Kvaser interfaces connected to the same PC, resulting in a multichannel data capture. The product has a 26-pin HD Dsub that connects to a splitter with five 9-pin Dsubs, and one USB connector that links to any USB port on a host computer. Only one USB port needs to be allocated when monitoring multiple CAN networks, reducing the need for an external hub in many applications.

A special feature of the 5-channel Memorator is its ability to run user-developed scripts. Its script functionality allows users to develop customized applications written in the Kvaser programming language, such as CAN protocol converters, CAN gateways, and advanced CAN logging functionality. Application-specific scripts for this device will also be available from the company's network of technical associates, who all have different domain expertise. As such, this device is designed to appeal to engineers in industries as broad ranging as automotive development, machine control, and industrial network connectivity.

When connected to the host computer, the Memorator is automatically in interface mode and when connected only to CAN it is in data-logger mode. Power is derived from the USB connection, CAN, and a built-in power supply. The product is compatible with J1939, CANopen, NMEA 2000, and Devicenet, and will also be CAN FD upgradeable via firmware at some point in the future. It is supported in newer versions of CANLIB and Kvaser Memorator Config Tool software.

Lars-Berno Fredriksson, president of Kvaser, commented: "A five-channel combined interface and data-logger in Kvaser's trademark form factor is a first for the industry. It transforms the task of multiple CAN channel data gathering, making the process easier and quicker for engineers and the process more robust."

Martin Sventén, General Manager at Accurate Technologies noted: "New engines typically undergo rigorous performance and durability testing on a dynamometer rig for days at a time. Typically, multiple CAN channels monitor all parameters, but interfacing with them can mean a rat's nest of cabling at the dyno or indeed, during in-vehicle testing. This product decreases cabling complexity and frees up USB ports on the PC. The data-logging capability means that results from up to five CAN channels are recorded on one card, thus avoiding the difficult situation of trying to combine log files from two or three different memory cards."

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