

INTERFACE BOARD

Classical CAN, CAN FD, or LIN

Kvaser has released the Kvaser Hybrid Pro 2xCAN/LIN. It is a dual-channel interface that allows automotive engineers to configure either channel as Classical CAN, CAN FD, or LIN.

The Pro-level device can host user-developed programs designed to accomplish advanced tasks such as CAN node simulation or the creation of a [LIN](#) to CAN gateway. Whereas conventional bus interfaces have a dedicated channel for each protocol, the Hybrid Pro 2xCAN/LIN device provides a tool to access peripherals and powertrains. Designed primarily for automotive engineers working with CAN and LIN communication networks in development, production, through to field-use, each channel can be configured as Classical CAN, CAN FD, or LIN.

“We listened to our customers to create the original Kvaser Hybrid 2xCAN/LIN device, to great success,” said Jesse Paliotto, Kvaser’s Director of Marketing. “This professional-grade product further addresses the pain points we’ve heard from our customers, offering several new advanced features designed to increase efficiency and reduce errors. This includes Silent Mode, Single Shot, Error Frame Generation and Kvaser Magisync automatic clock synchronization.”

This device’s flexibility doesn’t sacrifice performance, with support for High Speed CAN (ISO 11898-2) up to 1 Mbit/s, CAN FD (ISO 11898-1) up to 5 Mbit/s, and LIN 2.2 A (ISO 17987 Part 1-7) up to 20 kbit/s. In addition, the device can send up to 20 000 messages per second, per CAN channel, time-stamped to a 1 μ s accuracy.

The product is fully compatible with J1939, CANopen, NMEA 2000, Devicenet, and the company’s universal API. Users can customize the device’s behavior by writing programs in Kvaser’s programming language, with guidance and example program code available in the company’s free CANlib SDK.



(Photo: Kvaser)

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