

Classical CAN, CAN FD, LIN, J1939, and CANopen

Warwick Control Technologies (UK) has released version 3.11.0 of its X-Analyzer network analysis tool. This provides Classical CAN, CAN FD, and LIN all-in-one tool, along with the higher-layer protocols SAE J1939 and CANopen.

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The product comes with one-year email support, which includes free updates (Photo: Warwick Control Technologies)

If purchased with the Kvaser (Sweden) Hybrid or Hybrid Pro interfaces, the product can be used with Classical CAN, CAN FD, and LIN in one interface. These interface units have two channels that can be mapped to X-Analyzer software in any combination of these network protocols that the users wishes, e.g. channel 1 can be LIN and channel 2 can be CAN FD.

Other added features included in this release are [LIN](#) improvements such as importing schedule table from the LDF so that the LIN schedule is automatically ready to transmit as well as the CAN FD support via any Kvaser interface that supports CAN FD. The Object Transmitter feature is extended with the New Message Builder feature, which allows the user to set the frame data field based on CAN parameter database.

The CANopen feature has been extended with a Network Management control panel for controlling CANopen device NMT state. Additionally, the CAN Physical Layer Analyser via the Picoscope 2206b USB oscilloscope scans the CAN network for 10 seconds and records one example of each CAN frame. The user can click on the CAN identifier and view the CAN_H, CAN_L and differential of the entire CAN frame in an oscilloscope type view. Each CAN frame trace for CAN_H and CAN_L electrical signals. The X-Analyzer supports all CAN and LIN interfaces by the above-mentioned Swedish supplier.

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