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Press Release

The new ES523 CAN FD Interface Module from ETAS

- Four electrically isolated CAN channels with Bosch M-CAN controller
- Data can be transmitted at a rate of up to 5 Mbit/s (8 Mbit/s are possible under laboratory conditions)
- XCP, UDS, and KWP protocols supported by CAN FD
- Three Fast Ethernet ports with integrated power supply for connecting additional ETAS interface or measurement modules

Stuttgart, March 30, 2015 – The ES523 CAN FD Interface Module is designed to calibrate ECUs and capture measurement data from ECUs and their environment. It provides four CAN and three Ethernet connections and supports the new high-performance CAN FD (CAN with flexible data rate) protocol on all CAN channels. The backward-compatible CAN FD protocol developed by Bosch meets the automotive industry's need for networks with high bandwidth.

The ES523 module synchronizes all signals that are measured over the CAN and Ethernet channels. This makes the module ideally suited to the task of capturing signals transmitted in short time frames from an ECU via Ethernet through an ETAS XETK interface synchronously with CAN and CAN FD signals. In addition to ECUs and vehicle buses, the Ethernet measurement modules of the ETAS ES400 and ES600 product families can be connected to the interface module.

On the software side, the ES523 module is supported by INCA, the ETAS tool for measuring, ECU calibration, and diagnostics. In conjunction with the BUS-MASTER open source software tool, the ES523 module can be used to simulate, analyze, and test CAN FD networks. To enable the integration of ECU and bus interfaces with third-party applications, ETAS provides the EBI-IP software package as free download on its website.

ETAS GmbH

ETAS provides innovative solutions for the development of embedded systems for the automotive industry and other sectors of the embedded industry. As a systems provider, ETAS supplies a multifaceted portfolio that covers the range from integrated tools and tool solutions to engineering services, consulting, training, and support. Security solutions in the area of embedded systems are offered by the ETAS subsidiary ESCRYPT. Established in 1994, ETAS GmbH is a 100-percent subsidiary of the Bosch Group, with international subsidiaries and sales offices in 14 countries in Europe, North and South America, and Asia.

For more information, please visit www.etas.com



Picture: The new ES523 CAN FD Interface Module