**Press Release**

## ES910.3 Prototyping and Interface Module

Module for function development and application

The ES910 module allows validating prototypic implementations of software components of new control and diagnostics functions under real-life conditions. The individual components can be generated using ASCET, other AUTOSAR-conformant tools, or MATLAB®/Simulink® or manually coded in C.

The ES910 module is configured using ASCET-RP or the universal INTECRIO prototyping environment. For ECU close prototyping of new functions, an AUTOSAR-/ OSEK-conformant RTA real-time operating system is integrated in the ES910 module. The Software Logic Analyzer RTA-TRACE from ETAS allows monitoring the execution and the time response of the functions in real time.

Using ETK, XETK, FlexRay, CAN, and LIN interfaces, partial applications calculated on the ES910 module can be synchronized with a development ECU (bypass experiment). For the local acquisition of environment measurement data, it is possible to connect micro measurement modules of the ES400 family and lambda meters of the ES63x series to the ES910 module.

Using INCA/INCA-EIP (Experimental Target Integration Package) the prototypes of new control algorithms can be directly calibrated on the ES910 module. The ES910 module can also be used by INCA for calibration, acquisition of ECU and bus signals, flash programming, and diagnosis (CAN). Interacting with the INCA-MCE Engineering Solution (Measurement and Calibration Embedded), the module provides for fast exchange of measurement and calibration values between ECU and test bench automation. Communication between test bench automation and the ES910.3 interface is in real time using the EtherCAT® or iLinkRT™ protocols.

The ES910 module is connected via a Gigabit Ethernet interface to the development or calibration tool on the host PC.

ETAS Entwicklungs- und
Applikationswerkzeuge für
elektronische Systeme GmbH
Borsigstraße 14
70469 Stuttgart, Germany
Phone +49 711 89661-240
Fax +49 711 89661-108

Press and Public Relations:
Anja Krahl

anja.krahl@etas.com
www.etas.com

**Functions at a Glance**

- Multifunctional use in ECU development, calibration, and test bench automation
- Integrated with INCA, INTECRIO, and ASCET-RP
- High computing power, real-time operating system
- ECU and bus interfaces: ETK, XETK, 2x CAN, 2x LIN
- Optional: FlexRay node with two channels (ES920) or two extra CAN ports (ES921)
- Support of ETK, XETK, XCP-on-Ethernet (UDP), and XCP-on-CAN bypass
- ETK bypass methods: classical hooked-based bypass, service-based bypass, and EHOOKS
- Connection of ES400 Micro Measurement Modules and ES63x Lambda Modules for prototyping applications is possible
- Support of test bench automation interfaces EtherCAT® and iLinkRT™

www.etas.com/ES900

ETAS Entwicklungs- und
Applikationswerkzeuge für
elektronische Systeme GmbH
Borsigstraße 14
70469 Stuttgart, Germany
Phone +49 711 89661-240
Fax +49 711 89661-108

Press and Public Relations:
Anja Krahl

anja.krahl@etas.com
www.etas.com