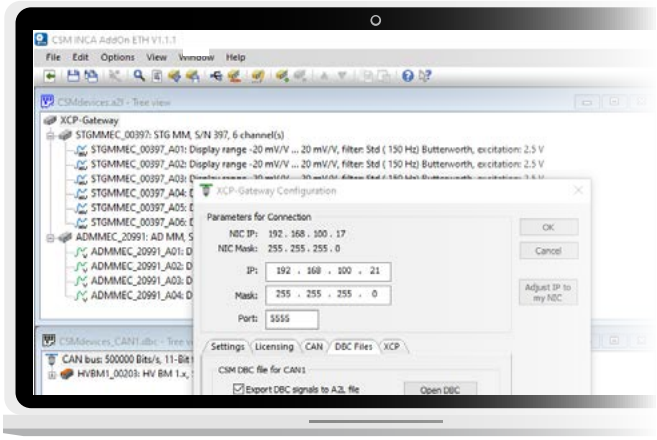
CSM INCA AddOn ETH



Key features

- Integration of CSM measurement modules directly in INCA (configuration & measurement operation)
- Support of CSM measurement modules up to 2 MHz measurement data rate per channel
- Support of CSM CAN measurement modules up to 1 kHz measurement data rate per channel
- User-defined sensor and signal databases
- Module- and AddOn-specific defaults

Product description

CSM INCA AddOn ETH allows the configuration and measurement operation of CSM ECAT measurement modules and modules with direct XCP-on-Ethernet output in ETAS INCA. Measurement data rates up to 2 MHz per channel are supported. In addition, it is possible to operate multiple CSM CAN measurement modules by using the XCP-Gateway CAN interfaces allowing measurement data rates of up to 1 kHz per channel.

The configuration of the measurement modules is performed by means of a customized user interface. Frequently used sensor data can be stored in a user-defined sensor database. Measurement range, sensor excitation and signal conversion can be configured with just one click - simply select the required sensor from the database.

As a supplement to the sensor database, a signal database, containing channel name and comments, can now be specified. These standard names can be assigned to the corresponding channels.

CSM INCA AddOn ETH provides options to define module- and AddOn-specific defaults and to save them in template files. These default settings can, for example, be transferred to multiple computers for a company-wide installation.

In combination with an ES891 and an XCP-Gateway (as of Rev. C), the synchronization with ECU data via IEEE 1588 V.2 (PTP) in INCA is supported as an option.

Requirements

- INCA as of version 7.3.0, system requirements depend on the INCA version.[1]
- The measurement chains can be operated directly at the fast ethernet port of a PC, a network switch or an ethernet port of ETAS ES592, 593, 595 or ES891.[2]
- The latest firmware versions are installed on the XCP-Gateways and measurement modules used.

Supported devices

Protocol converter

- XCP-Gateway (as of Rev. B)
- XCP-Gateway 4S pro

EtherCAT® measurement modules

- HV AD4, AD4
- HV IEPE3
- HV STG4, STG6
- HV BM 1.x, 3.1

XCP measurement modules

- HV BM 3.3

CAN bus measurement modules[3]

- via XCP-Gateway CAN interfaces

[1] For information on older INCA versions please contact our sales department.
[2] When using XCP-Gateway 4S pro and HV BM 3.3 a 1 Gbit connection is mandatory.
[3] Not supported: LambdaCANc and CNT in 32-bit mode, NOxCAN

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