

Platform MX6

Software option S102

CODESYS J1939

1 Identification

Identification	
Option ID	S102
Order number	S-05000303-0000
Short name	CODESYS J1939
Brief description	With this option, it is possible to operate the controller in a J1939 network. Roles J1939 Manager and J1939 ECU are supported.
Revision ID document	V3.0

2 System requirements and restrictions

System requirements and restrictions	
Supported platforms and devices	Berghof PLC devices of the MX6 platform (e.g.: MCs, CCs, DCs). Additional information regarding availability and compatibility can be found in options section of the product catalog.
Firmware	MX6-PLC from version 1.16.0, CODESYS ab 3.5 SP10 Patch 1
Additional requirements	— Free CAN interface
Restrictions	—

3 Product description

This software option activates the license for the J1939 stack integrated in CODESYS for the device.

J1939 is a protocol for the transmission of data between two bus devices. CAN is used as the transmission medium. The protocol is mostly used in heavy commercial vehicles for communication between the individual control units.

The CODESYS development system supports the configuration of J1939 networks through the device editor J1939. It can be used to configure the J1939 devices according to the SAE J1939 standard. This is used to configure both the J1939 Manager and the J1939 bus devices (ECUs).

CODESYS offers a database already equipped with J1939 standard signals and parameter groups. You can add your own entries to this database as required.

For full documentation of the different J1939 Manager and ECU configuration menus please check the CODESYS Online help under:

https://help.codesys.com/webapp/_can_f_j1939;product=core_canbus_configuration_editor;version=3.5.15.0

4 Technical data

Technical data	
Supported roles	J1939 Manager, J1939 ECU

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