

# Platform MX6

## Software option SM102

### J1939

## 1 Identification

Identification	
Option ID	SM102
Art. No.	291307700
Short name	J1939 Lizenz
Brief description	With the help of this software option it is possible to operate the controller in a J1939 network. Roles J1939 Manager and J1939 ECU are supported.
Revision ID document	V2.0

## 2 System requirements and restrictions

System requirements and restrictions	
Supported platforms and devices	Berghof PLC devices of the MX6 platform (e.g.: DC2xxx, ECC2xxx,...). Further information regarding availability and compatibility can be found in the section - compatibility tables - of the price list.
Firmware	MX6-PLC from version 1.16.0, CODESYS ab 3.5 SP10 Patch 1
Additional requirements	<ul style="list-style-type: none"><li>Free CAN interface</li></ul>
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 DeviceEditor 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.

### 4 Technical data

Technical data	
Supported roles	J1939 Manager, J1939 ECU

**Your contact partner can be reached under:**

Sales team | T +49.7121.894-131 | controls@berghof.com