

# CAN-CBM-PLC-Series

## Automation Computer with CAN

- high performance microcontroller 68331/25 MHz
- programming in IEC-61131 or HLL
- one or two independent CAN interfaces
- compact hatrail module

### Fast Computer with CAN and Serial Interface

The modules of the CAN-CBM-PLC series are a high performance computer basis for the field of decentralized automatic control engineering. Each module operates with a 25 MHz microcontroller MC68331, supported by a fast response real-time multitasking operating system, which is programmed either in accordance with IEC-61131 or in HLL (GNU-C++ or PEARL).

### Serial Interfaces

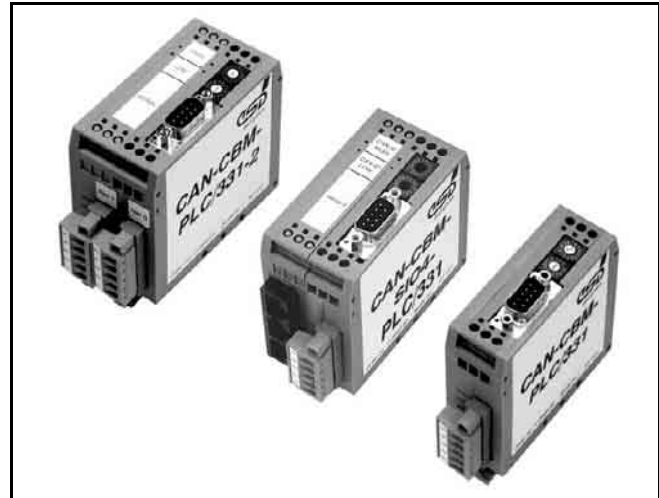
Each module has a serial interface for configuring (program download and de-bugging) and for connecting a serial terminal. The CAN-CBM-SIO4-PLC comes with four additional serial interfaces. Apart from RS-232 as a physical interface you have the choice between RS-422, RS-485 or TTY-20 mA.

### CAN Interface

The ISO 11898-compatible CAN interface allows a maximum data-transfer rate of 1 Mbit/s. CANopen or, if desired, DeviceNet are standardly supported as Layer-7-protocols on the CAN layer.

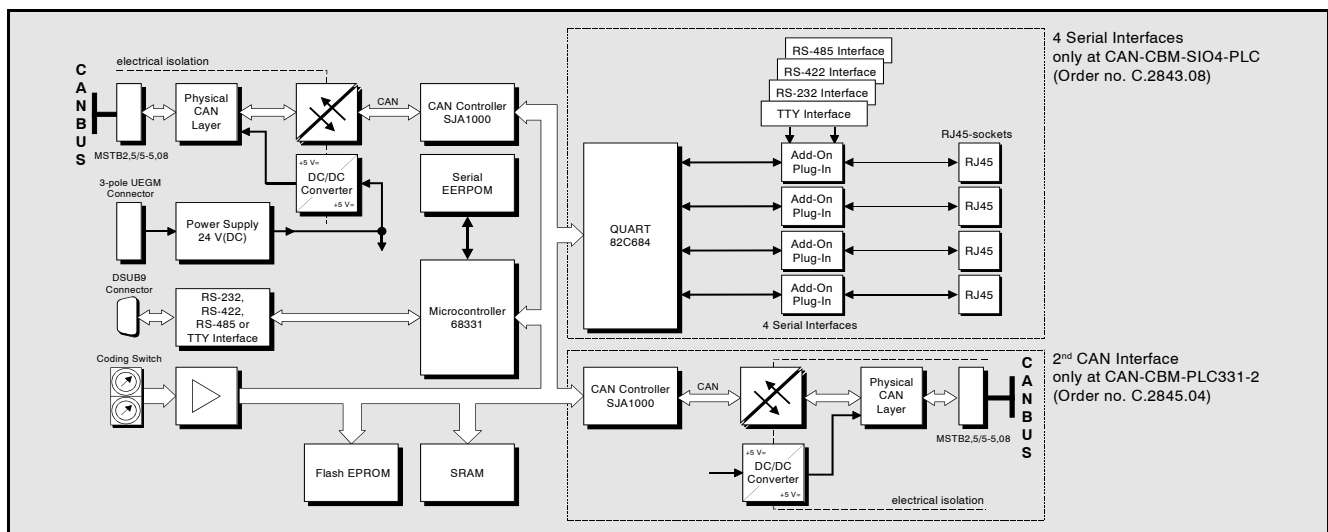
### Programming and Debugging

For the CAN-CBM-PLC automation systems you can use a PC-



supported development environment for high-level languages GNU-C++ and PEARL and a IEC-61131-Soft-PLC tool for Windows systems. You can either use the serial interface or the CAN bus itself for programming.

Please ask for our CoDeSys flyer.



### Technical Specifications:

CPU and serial interface:	
Microcontroller:	68331, 25 MHz
Memory:	512 k x 16 bit SRAM, 1 M x 8 bit Flash EPROM
Serial controller:	68331-internal
Available interfaces:	RS-232, RS-422, RS-485, TTY active/passive
CAN bus:	
CAN controller:	SJA1000, CAN 2.0A/B
CAN interface:	differential, electrically insulated, 1 Mbit/s, ISO11898, opt. DeviceNet
General:	
Operating voltage:	nominal 24 V(DC)
Connectors:	CAN: 5-pin connection socket serial: 1x DSUB9-connector, 4x RJ45-socket

Order information:		
Designation		order no.
CAN-CBM-PLC331-1	1x CAN 2.0A/B and 1x RS-232	C.2845.02
CAN-CBM-PLC331-2	2x CAN 2.0A/B and 1x RS-232	C.2845.04
CAN-CBM-SIO4-PLC	1x CAN 2.0A/B and (4+1) x RS-232	C.2843.08
Instead of RS-232 (to be specified in order):		
	RS-422 adapter	X.1930.02
	RS-485 adapter	X.1930.04
	TTY-20mA passive	X.1930.06
	TTY-20mA active	X.1930.08
CAN-CBM-PLC331-ME	Manual for C.2845.02/04	C.2845.21
CAN-CBM-SIO-ME	Manual for C.2843.08	C.2843.21