



# CAN-CBX-CPU5200

## Compact PLC with InRailBus for CBX-I/Os

- PowerPC™ MPC5200 with FPU
- 10/100BaseT ETHERNET
- 2x CAN & 1x RS-232 interface
- CoDeSys programming system (option)
- InRailBus
- DIN rail mounting (EN50022)

### PowerPC™ Device

The CAN-CBX-CPU5200 is a stand-alone PowerPC™ module with InRailBus. The CAN-CBX-CPU5200 supports the mounted CBX-modules as CANopen master.

### Network Interfaces

The CAN-CBX-CPU5200 comes with a 10/100BaseT ETHERNET interface that is accessible via an RJ45 plug in the front. Both CAN interfaces of the CAN-CBX-CPU5200 are fully ISO 11898 compliant and support bit rates up to 1 Mbit/s. One CAN interface is opto-isolated and accessible via a 5-pole Phoenix Combicon-style connector while the other one is connected to the InRailBus for local CBX-I/O expansion. A serial RS-232 interface for terminal and debugging is accessible via an RJ12 connector.

### InRailBus

The InRailBus connector (TBUS-connector) integrated in the mounting rail (or separately via the clamp-connection) accepts application of the power supply and the CAN bus signals. The InRailBus allows removal of individual modules without interrupting the bus signals.



For further information please visit  
[http://www.esd-electronics-usa.com/CAN\\_IO\\_Series.html](http://www.esd-electronics-usa.com/CAN_IO_Series.html)

### Software Support

With the IEC61131-3 programming and run-time system, CoDeSys, the CAN-CBX-CPU5200 acts like a PLC. Optionally, Linux is available as an optional operating system.

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challenge

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### Technical Specifications

Microcontroller and Memory	
Microcontroller	MPC5200, 400 MHz, FPU
Memory equipped	32 MB DRAM, 32 MB Flash, RTC
Interfaces	
ETHERNET	10/100 BaseT, IEEE802.3, RJ45-connector
Serial	RS-232, 115 Kbit/s
Two CAN interfaces	both acc. to ISO11898, differential with bit rates up to 1 Mbit/s, one interface opto-isolated at Combicon connector, the other one connected to InRailBus
General	
Ambient temperature	0...+70° C
Power supply	nominal 24 VDC
Dimensions	22 x 112 x 113 mm
Connectors	Power: Phoenix MSTB02, 5/4-G1LKMGY; CAN: Phoenix MC1, 5/5-GF-3.81; InRailBus RS-232: RJ12; ETHERNET: RJ45

### Order Information

Designation		order no.
CAN-CBX-CPU5200	PLC PowerPC 5200, 400 MHz FPU, 32 MB DRAM, 32 MB Flash, RTC, 10/100 BaseT ETHERNET, RS-232 interface, 2x CAN interface, ISO11898, PLC Runtime system: CoDeSys, IEC61131	C.3070.02
CAN-CBX-CPU5200-Linux	As C.3070.02, but for Linux operating system	C.3070.03
CAN-CBX-CPU5200-Linux Adaption	Linux Adaption for CAN-CBX-CPU5200 (option)	C.3070.32

