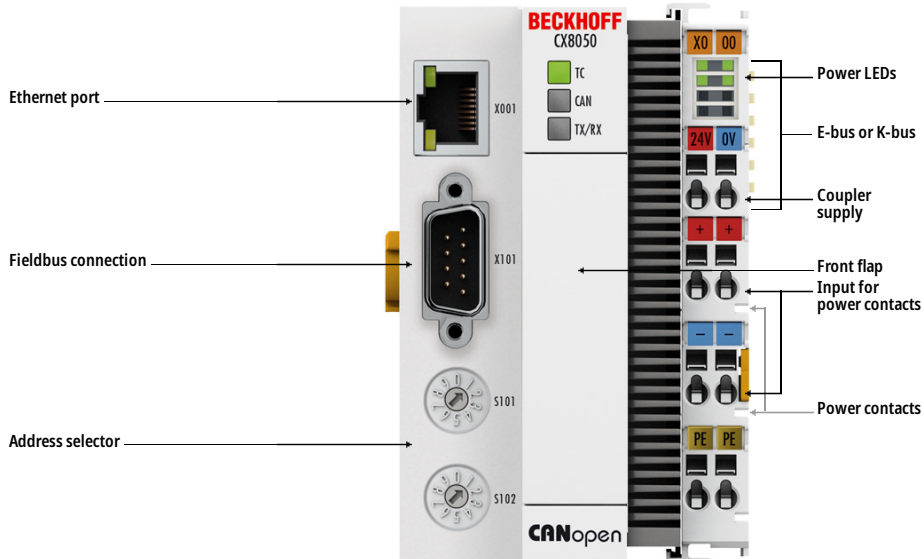# CX8050 | Embedded PC with CANopen master

Product status: Regular delivery

The CX8050 is a controller with a CANopen master interface. Apart from functioning as a CANopen master, it can also be used to support CAN-Layer-2 communication. Alternatively K-bus or E-bus terminals can be series-connected; the CX8050 automatically detects which system is connected during the start-up phase. The control system is programmed via the additional Ethernet interface.

Product information

Technical data

Technical data	CX8050
Processor	ARM9, 400 MHz
Number of cores	1
Flash memory	512 MB microSD (optionally expandable)
Main memory	64 MB DDR2 RAM (not expandable)
Persistent memory	1-second UPS (for 1 MB persistent data)
Programming languages	IEC 61131-3
Web visualization	yes
Online change	yes
Up/down load code	yes/yes
Interfaces	1 x RJ45 10/100 Mbit/s, 1 x USB device (behind the front flap), 1 x bus interface

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Bus interface	D-sub connector, 9-pin according to CANopen specification, galvanically decoupled
Diagnostics LED	1 x TC status, 2 x bus status
Clock	internal battery-backed clock for time and date (battery behind the front flap, exchangeable)
Operating system	Windows Embedded CE 6
Control software	TwinCAT 2 PLC
I/O connection	E-bus or K-bus, automatic recognition
Web-based management	yes
Current supply E-bus/K-bus	2 A
Max. power consumption	3 W
Dimensions (W x H x D)	64 mm x 100 mm x 73 mm
Weight	approx. 180 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection rating	IP20
Approvals/markings	CE, UL, ATEX, IECEx, cFMus
Ex marking	ATEX: II 3 G Ex nA IIC T4 Gc II 3 D Ex tc IIIC T135 °C Dc IECEx: Ex nA IIC T4 Gc Ex tc IIIC T135 °C Dc cFMus: Class I, Division 2, Groups A, B, C, D Class I, Zone 2, AEx ec IIC T4 Gc

Ordering information

Ordering information	
CX8050	CANopen Embedded PC, master

Options

Options	
CX1900-0123	1 GB microSD card, instead of 512 MB microSD card
CX1900-0125	2 GB microSD card, instead of 512 MB microSD card
CX1900-0127	4 GB microSD card, instead of 512 MB microSD card
CX1900-0129	8 GB microSD card, instead of 512 MB microSD card

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Accessories

Accessories	
CX1900-0122	512 MB microSD card
CX1900-0124	1 GB microSD card
CX1900-0126	2 GB microSD card
CX1900-0128	4 GB microSD card
CX1900-0130	8 GB microSD card

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