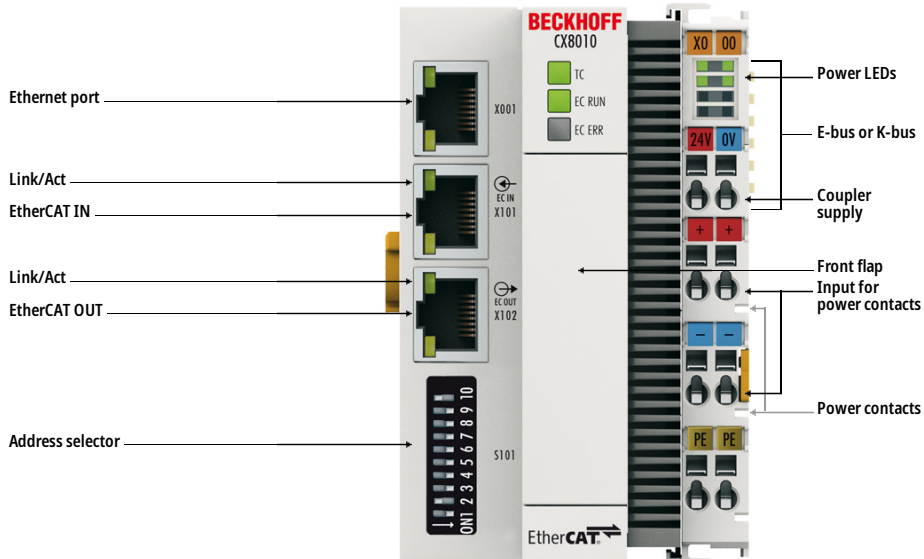


# CX8010 | Embedded PC with EtherCAT slave



**i Product status:** Regular delivery

The CX8010 is a control system with EtherCAT slave interface, to which optional K-bus or E-bus terminals can be attached. The CX8010 automatically recognizes the type of I/O system connected during the start-up phase. The control system is programmed with TwinCAT via the additional Ethernet interface. The DIP switch can be used to set the Explicit Device Identification Value for a Hot Connect group.

## Product information

### Technical data

Technical data	CX8010
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

Bus interface	EtherCAT IN and OUT (2 x RJ45)
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	<p>ATEX:  II 3 G Ex nA IIC T4 Gc  II 3 D Ex tc IIIC T135 °C Dc</p> <p>IECEx:  Ex nA IIC T4 Gc  Ex tc IIIC T135 °C Dc</p> <p>cFMus:  Class I, Division 2, Groups A, B, C, D  Class I, Zone 2, AEx ec IIC T4 Gc</p>

## Ordering information

Ordering information	
CX8010	EtherCAT Embedded PC

## 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

## 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