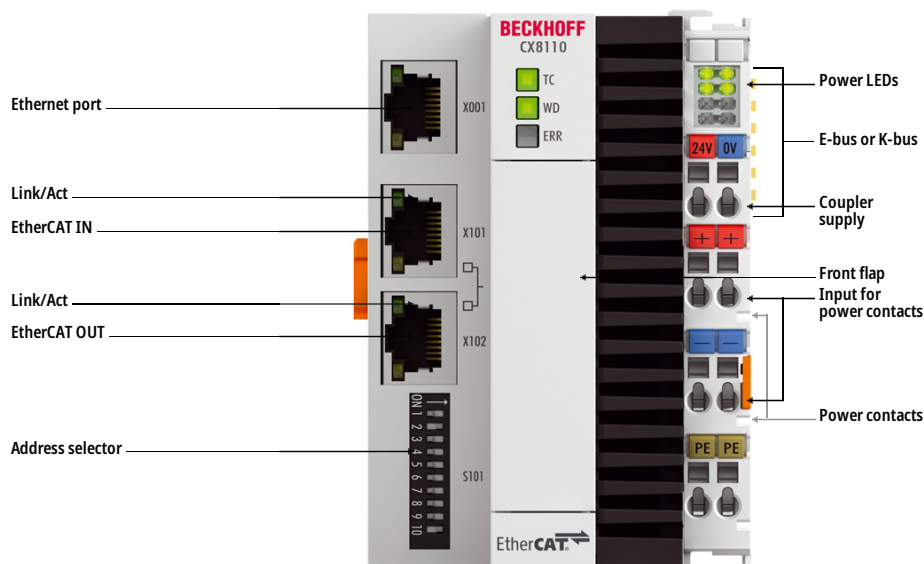




CX8110 | Embedded PC with EtherCAT



i Product status: Regular delivery

The CX8110 is a control system with EtherCAT slave interface. The DIP switch enables fixed or automatic addressing in the EtherCAT network. E-bus or K-bus terminals can be attached as required; the CX8110 automatically recognises the type of I/O system connected during the start-up phase. The control system is programmed with TwinCAT 3 via the Ethernet interface. TwinCAT 3 licenses must be ordered via the TwinCAT 3 price list.

Product information

Technical Data

Technical data	CX8110
Processor	ARM Cortex™-A9, 800 MHz (TC3: 20)
Number of cores	1
Flash memory	slot for microSD card, 512 MB included (expandable)
Main memory	512 MB DDR3 RAM (not expandable)
Persistent memory	1-second UPS (for 1 MB persistent data)
Interfaces	1 x RJ45 10/100 Mbit/s, 1 x bus interface
Bus interface	EtherCAT IN and OUT (2 x RJ45)
Data transfer rates	100 Mbit/s
Diagnostics LED	1x TC status, 1x WD, 1x error

Clock	internal battery-backed clock for time and date (battery behind the front flap, exchangeable)
Operating system	Windows Embedded Compact 7
Control software	TwinCAT 3 runtime (XAR)
I/O connection	E-bus or K-bus, automatic recognition
Power supply	24 V DC (-15 %/+20 %)
Current supply E-bus/K-bus	2 A
Max. power consumption	4 W
Max. power consumption (with loading UPS)	9 W
Dimensions (W x H x D)	71 mm x 100 mm x 73 mm
Weight	approx. 230 g
Operating/storage temperature	-25...+60 °C/-40...+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 class	IP 20
Approvals/markings	CE, UL
TwinCAT 3 platform level	Economy (20); please see here for an overview of all the TwinCAT 3 platform level

Ordering Information

Ordering information	
CX8110	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	
CX1900-0102	Spare battery suitable for CX10x0, CX81x0, CX50x0, CX51x0, CX52x0, CX90x0, CX20xx – lithium button cell type CR2032, 3V/225 mAh – follow polarity when installing
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
