



## CX8050 | Embedded PC for CANopen



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.

Technical data	CX8050
Processor	ARM9, 400 MHz
Flash memory	512 MB microSD (optionally expandable)
Internal main memory	64 MB RAM (internal, not expandable)
Protocol	CANopen (master)
Programming	TwinCAT PLC
Programming languages	IEC 61131-3
Web visualisation	yes
Online change	yes
Up/down load code	yes/yes
Interfaces	1 x Ethernet 10/100 Mbit/s, 1 x USB device (behind the front flap)
Bus interface	D-sub connector, 9-pin according to CANopen specification, galvanically decoupled
I/O connection	E-bus or K-bus, automatic recognition
Clock	internal battery-backed clock for time and date (battery behind the front flap, exchangeable)
UPS	1-second UPS (for 1 MB of persistent data)
Operating system	Microsoft Windows Embedded CE 6
Web-based management	yes
Current supply E-bus/K-bus	2 A
Max. power loss	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 class	IP 20
Approvals	CE, UL, Ex, IECEx

Accessories	
CX1900-01xx	Optionally expandable memory ex factory. Instead of 512 MB microSD card: 1, 2, 4 and 8 GB microSD card
CX1900-01xx	Additionally expandable memory: 1, 2, 4 and 8 GB microSD card

