



## i CX8090 | Embedded PC for Ethernet

**Ethernet** The CX8090 is a control system with a switched Ethernet port. It supports protocols such as real-time Ethernet, ADS UDP/TCP, Modbus TCP client/server or open TCP/IP-UDP/IP communication. K-bus or E-bus terminals can be attached as required; the CX8090 automatically recognises the type of I/O system connected during the start-up phase. The control system is programmed with TwinCAT via the fieldbus interface or the additional Ethernet interface.

Technical data	CX8090
Processor	32 bit, 400 MHz
Flash memory	256 MB microSD (optionally 1 GB, 2 GB or 4 GB)
Internal main memory	64 MB RAM
Protocol	real-time Ethernet, ADS UDP, ADS TCP, Modbus TCP, TCP/IP, UDP/IP
Programming	TwinCAT PLC
Programming languages	IEC 61131-3
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	2 x RJ 45 (switched)
I/O connection	E-bus (EtherCAT Terminals) or K-bus (Bus Terminals), automatic recognition
Clock	internal battery-backed clock for time and date (battery behind the front flap, exchangeable)
UPS	1-second UPS
Operating system	Microsoft Windows CE
Web-based management	yes
Current supply I/O terminals	2 A
Max. power loss	3 W
Dimensions (W x H x D)	65 mm x 100 mm x 80 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27/29
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection class	IP 20
TC3 performance class	economy (20); please see <a href="#">here</a> for an overview of all the TwinCAT 3 performance classes

**i Product announcement**

estimated market release 3rd quarter 2012