

CX8090 | Embedded PC with Arm9™ and 2-port Ethernet switch

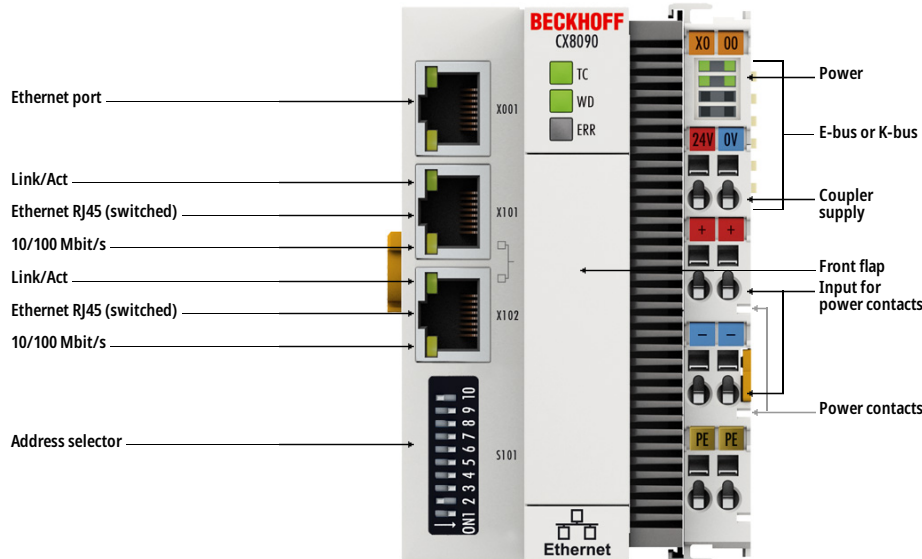
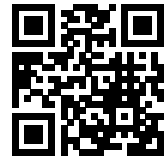


Image similar, may contain optional accessories

i **Product status:** regular delivery

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 recognizes 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.

Product information

Technical data

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Processor	Arm9™, 400 MHz
Number of cores	1
Flash memory	slot for microSD card, 512 MB included (optionally expandable)
Main memory	64 MB DDR2 RAM (not expandable)
1-second UPS	integrated (1 MB on microSD card)
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
Cooling	passive
Bus interface	2 x RJ45 (switched)
Diagnostics LED	1 x TC status, 1 x WD, 1 x error
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
Power supply	24 V DC (-15%/+20%)
Current supply E-bus/K-bus	2 A
Web-based management	yes
Max. power consumption	3 W
Max. power consumption E-bus/K-bus	10 W (5 V/max. 2 A)
Dimensions (W x H x D)	64 mm x 100 mm x 73 mm
Weight	approx. 180 g
Operating temperature	0...55°C
Storage temperature	-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

The end date of the extended support for the operating system Microsoft Windows Embedded CE 6 has already passed. Up-to-date security updates can no longer be provided.

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*
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CX1900-0131	16 GB microSD card, instead of 512 MB microSD card*
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*Only available as flash memory extension in combination with a CX CPU module on order. Suitable for CX7xxx, CX80xx, CX81xx, CX9020.

Accessories

Accessories	
CX1900-0122	512 MB microSD card
CX1900-0124	1 GB microSD card
CX1900-0126	2 GB microSD card
CX1900-0132	16 GB microSD card
ZK1090-9191-0xxx	RJ45, plug, straight, male, 8-pin – RJ45, plug, straight, male, 8-pin
ZK1093-9191-0xxx	RJ45, plug, straight, male, 8-pin – RJ45, plug, straight, male, 8-pin