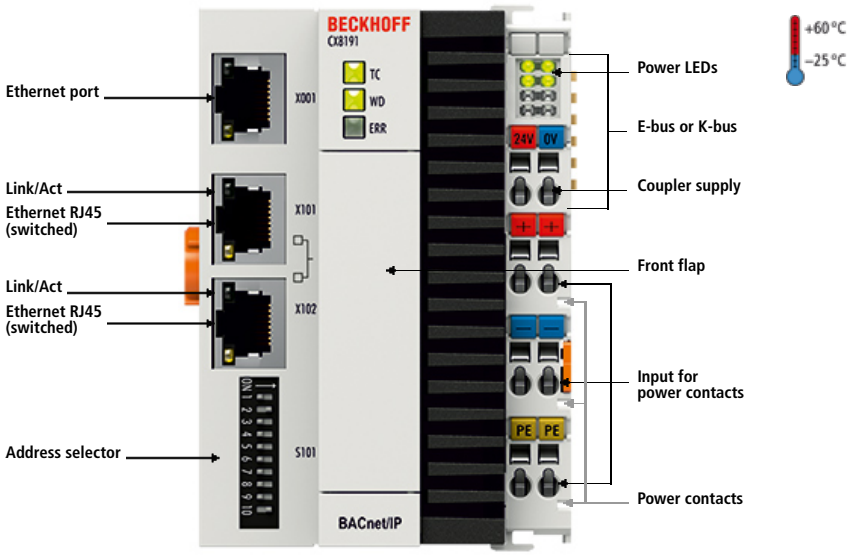

CX8191 | Embedded PC for BACnet/IP

The CX8191 is a control system with a switched Ethernet port. It supports the BACnet protocol. K-bus or E-bus terminals can be attached as required; the CX8191 automatically recognises the type of I/O system connected during the start-up phase.

The control system is programmed with TwinCAT 3 via the fieldbus interface or the additional Ethernet interface. TwinCAT 3 licenses must be ordered via the TwinCAT 3 price list. The BACnet licence is already installed on the device and does not need to be ordered separately.

BACnet (Building Automation Control Network) is a standardised, manufacturer-independent communication protocol for building automation. Areas of application include HVAC, lighting control, safety and fire alarm technology.

In conjunction with the EL6861 BACnet-MS/TP terminals, the CX8191 can also act as a router to MS/TP networks including support for several MS/TP networks. In addition, further protocols and services can be supported, such as OPC UA, MQTT or Modbus TCP/RTU. Therefore, the CX8191 is a virtually universal device that can be used very flexibly, from control tasks through to gateway functions.

Technical data	CX8191
Processor	ARM Cortex™-A9, 800 MHz (TC3: 20)
Flash memory	slot for microSD card, 512 MB included (expandable)
Main memory	512 MB DDR3 RAM (not expandable)
Protocol	BACnet/IP (client and server) according to ISO 16484-5:2012 (revision 14)
Programming	TwinCAT 3
Interfaces	1 x RJ45 10/100 Mbit/s, 1 x USB device (behind the front flap), fieldbus interface
Bus interface	2 x RJ45 (switched)
Data transfer rates	100 Mbit/s
I/O connection	E-bus or K-bus, automatic recognition
Power supply	24 V DC (-15 %/+20 %)
Clock	internal battery-backed clock for time and date (battery behind the front flap, exchangeable)
UPS	1-second UPS
Operating system	Microsoft Windows Embedded Compact 7
Current supply E-bus/K-bus	2 A
Max. power loss	4 W (including the system interfaces)
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

System	
BACnet/IP	For further BACnet/IP products please see the system overview.

Product announcement estimated market release 3rd quarter 2019