



CX8080 | Embedded PC for RS232/RS485



The CX8080 has two serial interfaces: one with RS232 and one with RS485 physics. Both serial interfaces are on the D-sub socket. They are not bound to a particular protocol and can be expanded with the appropriate TwinCAT supplements for the different serial communication protocols. Alternatively, K-bus or E-bus terminals can be series-connected; the CX8080 automatically detects which system is connected during the start-up phase. The controller is programmed via the additional Ethernet interface.

Technical data	CX8080
Processor	ARM9, 400 MHz
Flash memory	512 MB microSD (optionally expandable)
Internal main memory	64 MB RAM (internal, not expandable)
Protocol	serial communication
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 socket, 9-pin, 1 x RS232, 1 x RS485
Data transfer rates	300 baud... 115 kbaud
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

System	
RS232	For further RS232 products please see the system overview .