



i CX7080 | Embedded PC for RS232/RS485

The CX7080 Embedded PC has an ARM Cortex™ M7 single-core processor with 400 MHz. In the basic configuration, the CX7080 has a slot for a microSD card and an Ethernet interface. As a special feature, the CX7000 series has eight integrated multi-functional inputs as well as four integrated multi-functional outputs. In addition, the CX7080 offers two serial interfaces, one with RS232 and one with RS485 physics. Both serial interfaces are on the D-sub socket.

E-bus or K-bus terminals can be attached as required; the CX7080 automatically recognises the type of I/O system connected during the start-up phase. The control system is programmed with TwinCAT 3 via the Ethernet interface.

Technical data	CX7080
Processor	ARM Cortex™-M7, 400 MHz
Flash memory	512 MB microSD (optionally 1 GB, 2 GB, 4 GB or 8 GB)
Main memory	32 MB SDR (internal, not expandable)
Number of inputs	8 multi-functional inputs (24 V DC)
Number of outputs	4 multi-functional outputs (24 V DC, 0.5 A, 1-wire technique)
Protocol	serial communication RS232/RS485
Programming	TwinCAT 3 PLC
NOVRAM	2 kB
Interfaces	programming interface: 1 x Ethernet 10/100 Mbit/s (RJ45)
Bus interface	D-sub 9-pin, RS232/RS485
I/O connection	E-bus or K-bus, automatic recognition
Clock	internal, capacitor-buffered real-time clock for time and date (storage capacity > 21 days)
Dimensions (W x H x D)	49 mm x 100 mm x 72 mm
Weight	130 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
TC3 performance class	Basic (10), not yet available; please see here for an overview of all the TwinCAT 3 performance classes

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

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

