CX82xx and CX9240 Embedded PCs with ARM Cortex™ A53 processor

Modern multi-core CPU, double main memory, and fast 1 Gbit interface

With the ARM Cortex™ A53 processor, the new CX82xx Embedded PC series from Beckhoff uses a modern CPU architecture with two cores, thus offering more computing power for compact controls. The CX9240, which features the 4-core version of this processor, is even more powerful. A double main memory and 1 Gbit interfaces also contribute to the significant performance boosts compared to the predecessors.

The CX82xx Embedded PC series is a further development of the CX81xx series and unites higher computing power with a compact format for a wide range of automation tasks. Equipped with a fast ARM Cortex™ A53 processor with 64 bit architecture, a higher clock frequency of 1.2 GHz and two CPU cores are available for compact controls. This advanced CPU with the same low power consumption expand application options. In addition, the series features the faster 1 Gbit Ethernet interface and the double 1 GB LPDDR4 RAM main memory. Currently, the Embedded PC series includes the following devices:

– CX8200 with Gbit interface
– CX8210 with Gbit and EtherCAT slave interface
– CX8280 with Gbit and RS232/RS485 interface
– CX8290 with Gbit interface and second, switched Ethernet port for various Ethernet protocols

The new CX9240 Embedded PC is a compact, DIN rail-mountable Ethernet control system which also has a 1.2 GHz ARM Cortex™ A53

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CPU and represents a further development of the CX9020. The more powerful processor with four cores is used here. The CX9240 features two independent 1 Gbit Ethernet interfaces, which enable significantly higher transfer rates. With 2 GB LPDDR4 RAM, the main memory has also been doubled compared to the predecessor device.

➔ **www.beckhoff.com/cx82xx**
➔ **www.beckhoff.com/cx9240**

Press picture:

Picture caption:
The CX9240 Embedded PC (l.) and the CX82xx series (here CX8200) open up whole new areas of application and options with the modern ARM Cortex™ A53 CPU and low power consumption.

Press kit:
www.beckhoff.com/media/downloads/press/pr182022_beckhoff.zip

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