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Note to editors: Link to high res photo and picture caption follow news release text.

Beckhoff CX20x3 Incorporates AMD Processors into Successful Embedded PC Series

Based on the Zen architecture, the new processor class enhances CPU performance, real-time behavior and graphics capabilities

SAVAGE, Minnesota, January 26, 2021 – The new CX20x3 Embedded PCs expand the Beckhoff Industrial PC portfolio with devices that include AMD Ryzen™ processors. This powerful hardware is ideal for 32-bit and 64-bit systems, namely TwinCAT 2 and TwinCAT 3 automation software. Users can select from Microsoft Windows 10 IoT Enterprise 2019 LTSC or the new TwinCAT/BSD operating system.

Two embedded PC variants in the CX20x3 range are currently available from Beckhoff:

- CX2033: a fanless device without rotating parts equipped with an AMD Ryzen™ V1202B CPU (2.3 GHz clock frequency, two cores)
- CX2043: a high-performance device with ball-bearing mounted and speed-controlled fan equipped with an AMD Ryzen™ V1807B CPU (3.35 GHz clock frequency, four cores)

The AMD processors are based on the powerful Zen architecture and offer high computing power combined with a high clock frequency. In addition, the graphics are integrated separately from the CPU cache, enabling excellent real-time characteristics.

The basic configuration of the CX20x3 includes two independent Gbit Ethernet interfaces, four USB 3.1 Gen. 2 and one DVI-D interface. In addition to the CPU and chipset, the basic module also includes 8 GB RAM. The

controller boots from a removable CFast flash card. The CPU has 128 kB of internal NOVRAM as persistent data memory if a UPS is not used. A fieldbus and serial interface are available as options. All other components in the CX2000 family can be connected via the high-pole connections on both sides. The extended operating temperature range of -25...+60 °C also enables use of the system in applications with demanding climate conditions.

CX20x3 Embedded PC series

Link to high res image:

https://download.beckhoff.com/download/press/2020/pictures/pr212020_Beckhoff.zip

Press picture:

Picture caption:

With the new CX20x3 Embedded PCs, the broad range of IPC hardware from Beckhoff now also features devices with AMD processors.

Beckhoff Automation is a provider of advanced and open automation solutions based upon proven technologies for customers to implement high performance control systems faster and at a lower overall cost than traditional PLC and motion control systems. Beckhoff's "New Automation Technology" product range includes PC-based control, Industrial PCs, automation controllers, operator interfaces, I/O, servo drives and motors. With representation in more than 60 countries, Beckhoff is well positioned to provide global sales and service to its customers. Beckhoff sales and service are handled directly, with no intermediaries involved for exceptional customer service and consultation.

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Send questions regarding "Beckhoff CX20x3 Embedded PC series" to:

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