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

Beckhoff Expands Ultra-compact Industrial PC Line with the New C6032

Space-saving IPC series further expanded with PCIe module options to accommodate additional interfaces

SAVAGE, Minnesota, April 17, 2019 – To further increase connectivity options in ultra-compact PC Control hardware, Beckhoff Automation has introduced the new C6032 Industrial PC (IPC). With dimensions of only 129 x 133 x 104 mm, the C6032 IPC enhances the scalability of the PC-based controller portfolio from Beckhoff. A high-performance device in a modular design, the C6032 adds two slots for PCIe Compact modules to the C6030 single-board IPC, which is comparable in terms of computing power, to accommodate modular interfaces and functional extensions. With the use of compact PCIe modules, the C6032 can be optimally adapted to the unique requirements of individual applications.

Equipped with powerful Intel® Core™ i processors of the 6th and 7th generation – up to the Core™ i7 with four 3.6 GHz cores – the C6032 is ideal to support extensive multi-axis motion control, complex HMI applications, extremely short cycle times and handling of large data volumes. The compact motherboard and the die-cast zinc and robust aluminum housing were newly developed according to the high standards Beckhoff is known for – such as industrial-grade assembly, Made in Germany quality, high reliability and a premium look and feel. Other features include the exceptionally compact design typical of the ultra-compact C60xx IPC series and the flexible installation options with vertical or horizontal mounting at the rear of the enclosure – and a totally free orientation of the connection area.

High flexibility through PCIe modules

The C6032 features two PCIe compact module slots that enable flexible expansion of the connection area on the front of the device. The first available PCIe modules are the following:

- 2 x Gbit Ethernet
- 2 x USB 3.0
- 2 x RS232
- 1 x CP-Link 4 (for connection to Beckhoff industrial displays)

The use of an extremely durable, speed-monitored and controlled fan makes the C6032 suitable for an operating temperature range of up to 55 degrees Celsius. Available options include Windows 7 or Windows 10 operating systems as well as a second M.2 SSD in RAID configuration. The C6032 also offers storage capacity of 40 GB M.2 SSD, 3D flash even in the basic configuration.

A device generation designed for universal use

The Microsoft Azure™-certified devices in the ultra-compact C60xx IPC series are ideal to meet current requirements in machine building, such as increasing modularity, reduced space requirements in control cabinets and increased computing power at an affordable price point. Designed exactly with all these requirements in mind, the new device generation is suitable for use in a broad range of application scenarios, including distributed architectures and current Internet of Things (IoT) or Industrie 4.0 concepts. The exact computing power is flexibly scalable to suit nearly all medium to high-end machine performance levels:

- C6015 and C6017 for medium performance requirements with Intel® Atom™ CPUs (up to four cores)
- C6030 and C6032 as high-end devices with Core™ i processors with up to 3.9 GHz per core (for dual core processors)

C6032 Industrial PC

Link to high res image:

https://download.beckhoff.com/download/press/2019/pictures/pr052019_Beckhoff.zip

Press picture:

Picture caption:

With the new C6032 IPC, the ultra-compact Industrial PC series from Beckhoff now includes a high-end device with PCIe modules for expansion options (on the left with additional 4 x USB 3.0, on the right with 4 x Ethernet).

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 75 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 C6032 Industrial PC" to:

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