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

Modular and Customizable C6027 Complements Beckhoff's Ultra-compact Industrial PC Series *New machine controller provides high-performance, fanless computing power with scalable interface expansions and 1-second UPS*

SAVAGE, Minnesota, June 22, 2021 – The new C6027 ultra-compact Industrial PC (IPC) from Beckhoff is a fanless device that offers high computing power in a compact form factor with Intel® Core™ i U series processors. Compared to the C6025 IPC already on the market, this model adds a second circuit board level for customization with a variety of optional interfaces or an integrated 1-second UPS. Further variants are in preparation.

The C6027 IPC opens up numerous new application areas for a modular automation device with an additional circuit board level, including a selection of interfaces or function extensions. The current options are:

- 6 x Ethernet ports (RJ45)
- an integrated 1-second UPS to secure persistent data

In the initial variant, which features a total of nine Ethernet ports, the C6027 is ideally suited as an IoT or security gateway for connecting different machine and system modules. The IPC is Microsoft Azure™ Certified and AWS qualified for use in cloud-based platforms. In addition to this edge computing functionality, the C6027 also provides machine builders and end users with a powerful and extremely compact controller, measuring 82 x 127 x 69 mm. Supported by diverse, flexible mounting options, the device can fit in almost every control cabinet and machine concept.

The IPC's energy-efficient Intel® Core™ i U processor – which consumes significantly less energy than the other processors in the C60xx series – and the advanced passive cooling design enable full heat dissipation via a heat sink on one side. Protected by an aluminum and zinc die-cast housing, the C6027 offers a feature set that includes the following:

- up to four CPU cores
- 4 GB DDR4 RAM (expandable to 8 GB)
- 40 GB M.2 SSD with 3D flash memory
- 1 x DisplayPort video connector
- 4 x USB 3.0 ports
- on-board Ethernet controller with 3 x 100/1000Base-T ports
- operating temperature range of 0 to 50 °C

[C6027 ultra-compact IPC](#)

Link to high res image:

https://download.beckhoff.com/download/press/2021/NorthAmerica/Beckhoff_C6027_IPC.zip

Press picture:



Picture caption:

The ultra-compact C6027 Industrial PC from Beckhoff is ideal for an extremely wide range of applications due to its second circuit board level for customization (pictured here with six additional Ethernet ports).

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 C6027 ultra-compact IPC” to:

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