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

Beckhoff Industrial PCs Now Available with Intel® Core™ Series 2 Processors

Significant CPU performance boost enables faster automation, advanced AI, and real-time industrial workloads

SAVAGE, Minnesota, June 2, 2026 – Beckhoff is now integrating optional Intel® Core™ Series 2 processors into C6040 ultra-compact Industrial PCs (IPCs), C6640, C6650, and C6675 control cabinet Industrial PCs with ATX motherboard, and C5240 19-inch slide-in Industrial PCs. With this significant boost in performance, users benefit from the latest CPU innovations while experiencing the convergence of automation and IT that is typical of PC-based control.

The Intel Core Series 2 family of processors offers up to 12 performance cores and up to 4 GHz base clock and 5.9 GHz turbo frequency. This makes the IPCs ideal for all applications with the highest demands on single-core computing power and/or highly parallelized applications that benefit from multiple powerful cores. Felix Wildemann, Industrial PC Product Manager at Beckhoff Automation, says: "For some applications, especially non-control tasks that rely on the operating system's own scheduling, there are many advantages to a hybrid CPU architecture. In the automation and control field, however, many performance-hungry applications require high single-thread performance and CPU cores that are uniformly organized. That not only delivers more performance per core but also significantly simplifies engineering. We have seen the trend toward hybrid processor architectures for several years at all levels, including Arm® processors, and are therefore

pleased that Intel listened to industry feedback and added the Bartlett Lake 12P series of CPUs to their embedded roadmap, which offers a real advantage in industrial applications."

Despite measuring just 132 x 202 x 76 mm, the C6040 ultra-compact Industrial PC is one of the most powerful computers in this series. It is versatile in use and particularly well suited to complex multi-axis motion control, complex HMI applications, and applications with extremely short cycle times, as well as machine learning and machine vision applications.

"Beckhoff's C6040 ultra-compact Industrial PC is powered by Intel Core Series 2 processors with P-cores, delivering deterministic compute performance optimized for industrial workloads at the edge," says Todd Matsler, Sr. Director & GM, Manufacturing Segment at Intel Corporation. "This long-life platform enables predictable real-time control alongside advanced vision and AI applications within a compact industrial PC design. This collaboration underscores Intel's commitment to scalable, high-reliability edge computing solutions for next-generation industrial systems."

The C6640, C6650, and C6675 control cabinet Industrial PCs use an ATX motherboard and offer a wide range of equipment options including the use of large, high-performance graphics cards for advanced machine learning and machine vision applications. The C5240 19-inch slide-in Industrial PC is also equipped with components of the highest performance class, making it ideal for a wide range of machine and system engineering applications.

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www.beckhoff.com/intel-core-series-2

Link to high-res photo:

https://www.beckhoff.com/media/downloads/press/2026/pr112026_beckhoff_us.zip

Press picture:



Picture caption:

Beckhoff Industrial PCs with the Intel Core Series 2 processors deliver a significant boost in computing performance for demanding automation, machine learning, and vision applications.

At Beckhoff, automation is our calling. We empower engineers to differentiate and succeed as industry leaders – to harness new technologies, embrace open standards, and solve the world's most complex problems. Founded and led by engineers, we organically create advanced controls, communication, IoT, and motion technologies that become unique tools for your one-of-a-kind challenges in an age of digital transformation.

As a global partner with U.S. headquarters in Minneapolis, we remain committed to sustainability, inclusivity, and support for the people behind the automation. So, whether you're powering the EV revolution, dazzling on Broadway, launching satellites, or developing fusion energy solutions – you can reach new heights for your business, industry, and humankind.

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Please send questions regarding “Beckhoff Industrial PCs with Intel® Core™ Series 2 Processors” to:

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