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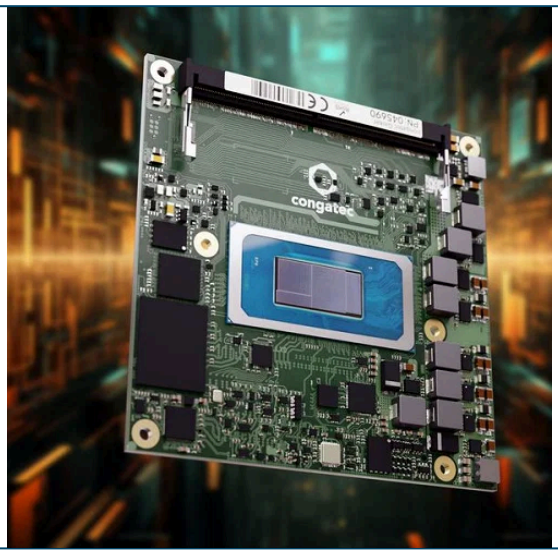
COM EXPRESS COMPACT MODULE WITH BRAND NEW INTEL® CORE™ ULTRA PROCESSORS



Providing a unique combination of heterogeneous compute engines, including CPU, GPU and NPU, the new modules are an ideal fit to run demanding AI workloads at the edge.

Next to the powerful P-cores and efficient E-cores for general computing and the high-performance Intel® Arc™ GPU for graphics-intensive tasks, the integrated Neural Processing Unit (NPU) called Intel® AI Boost contributes advanced neural processing capabilities to the overall computational architecture. The integrated NPU enables highly efficient integration of advanced artificial intelligence workloads at lower system complexity and costs than discrete accelerators. This makes the new Intel Core Ultra processor-based Computer-on-Modules especially beneficial for combining high-performance real-time computing with powerful AI capabilities in surgery robots and medical imaging and diagnostic systems, where automatically generated critical findings can support medical personnel. Other application targets are situational awareness in industrial applications such as inspection systems, stationary robotic arms, autonomous mobile robots (AMRs), and autonomous guided vehicles (AGVs), to name just a few.

For full product
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Congatec

Congatec is a rapidly growing technology company focussing on high-performance embedded computing products, so-called computer-on-modules and industrial single board computer.