17 01 2025

# NEW HIGH-PERFORMANCE COM-HPC MODULE FOR DEMANDING REAL-TIME APPLICATIONS

The new COM-HPC Client Size C (120x160 mm) modules are based on the performance hybrid architecture of the Intel Core S processors (codenamed Bartlett Lake S) with up to 16 Efficient (E) and up to 8 Performance (P) cores for up to 32 threads. These modules are designed for applications demanding exceptional multi-core and multi-thread performance, large caches, vast memory capacities, high bandwidth, and advanced I/O technologies.

The new conga-HPC/cBLS COM-HPC Client Size C modules are particularly suitable for high-performance real-time applications with workload consolidation. The firmware-integrated hypervisor-on-module facilitates direct access to the benefits of system consolidation. The module is an economical alternative to classic motherboards, particularly for applications that constantly require maximum performance and therefore regular performance upgrades.

## Main Features:

- Intel® hybrid design combines Performance-cores with Efficient–cores
- Up to Intel® UHD Graphics 770 driven by Xe Architecture
- PCI Express Gen 4 and 5 | USB 3.2 Gen 2x2
- AI Acceleration based on Intel® Deep Learning Boost (VNNI)

For full product
info and datasheet
**Click here**

# 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.

congatec