

Seamless AI Modernization for COM Express Systems

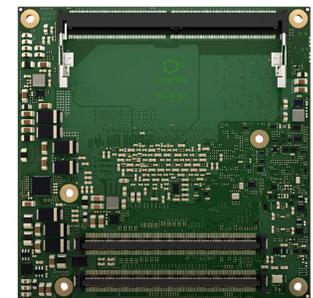
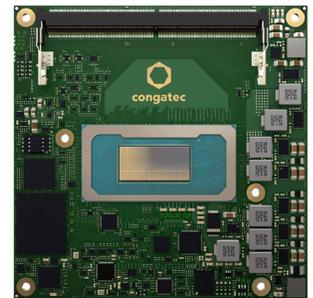


conga-TC1000

COM Express Type 6 Module Powered by Intel® Core™ Ultra Series 3 Processors



The [conga-TC1000](#) is a high-performance COM Express Type 6 Compact module designed to accelerate edge AI workloads in existing system architectures. Integrating Intel® Core™ Ultra Series 3 processors built on the Intel 18A process, it delivers up to 180 TOPS of total AI performance, effectively eliminating the need for discrete accelerator cards. This makes it a perfect plug-in upgrade for modernizing legacy applications with advanced heterogeneous computing power. For harsher environments, the ruggedized conga-TC1000r variant features screw-locked LPCAMM2 memory to ensure maximum reliability under extreme shock and vibration. These modules solve the challenge of upgrading established hardware while optimizing SWaP-C and extending the lifespan of mission-critical systems. Finally, as an aReady.COM, this module is part of the congatec ecosystem of application-ready building blocks that simplify system consolidation and connectivity to reduce market risks and accelerate development timelines.



Key Features



AI
Performance



Ruggedized
Option



High Memory
Capacity



Application
Ready

Intel Products & Technology



[Intel® Core™
Ultra Processors](#)



[Intel® Arc™
Graphics](#)

[Intel® 18A
Process Node](#)

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