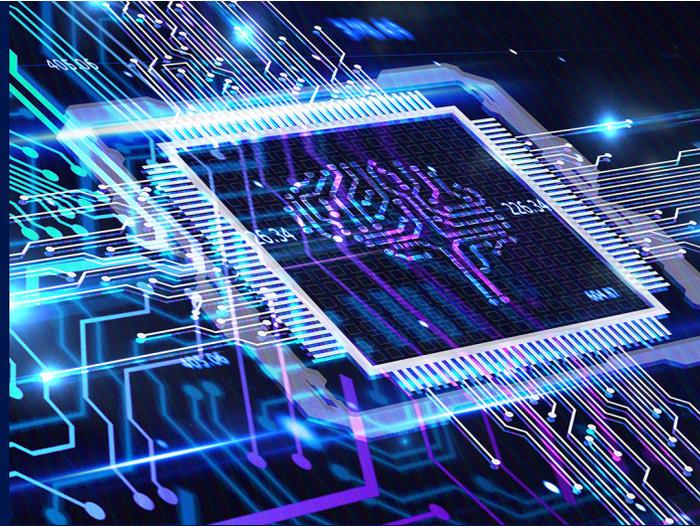


Modern AI Performance for Mission-Critical SFF Systems

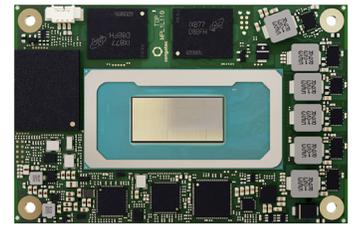


conga-MC1000

COM Express Type 10 Module Powered by
Intel® Core™ Ultra Series 3 Processors



The [conga-MC1000](#) is a credit-card-sized COM Express Type 10 module designed to bring advanced AI to the smallest mission-critical systems. By integrating Intel® Core™ Ultra Series 3 processors built on the cutting-edge Intel 18A process, it provides class-leading AI density and 180 TOPS of total AI performance. This eliminates the need for bulky discrete accelerator cards in space-constrained designs, making it ideal for modernizing legacy small form factor (SFF) systems that require a rapid technology refresh for modern edge AI workloads. By simply swapping modules, developers can extend the lifespan and ROI of established hardware with improved power efficiency and performance. Other benefits include significant SWaP-C reduction and industrial-grade reliability with soldered-down memory and extended temperature options. 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



Small
Footprint



AI
Performance



Rugged
Reliability



Application
Ready

Intel Products & Technology



[Intel® Core™
Ultra Processors](#)



[Intel® Arc™
Graphics](#)

[Intel® AI Boost](#)

[Intel® 18A
Process Node](#)

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