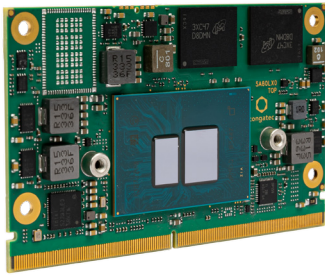
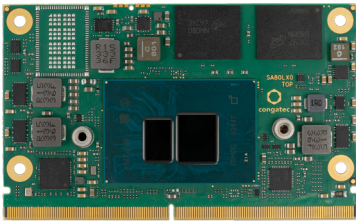


conga-SA8: Full Industrial Workload Consolidation at the Edge



Credit Card-Sized SMARC Modules

congatec's [conga-SA8](#) SMARC modules are optimized for industrial use and now feature the latest Intel® Core™ 3 processor, introduced at Embedded World 2025. These low-power, credit-card-sized Computer-on-Modules deliver a significant performance boost for edge applications and low-power system consolidation. With clock speeds up to 3.9 GHz and configurable TDPs of 6 W to 15 W, they offer energy-efficient computing with up to 8 threads. The CPU/iGPU are enhancing object recognition and visual processing thanks to the integrated AI capabilities, including Intel® AVX2, VNNI and native Int8 Support. Ideal for applications like point-of-sale systems, industrial PCs, AI-powered edge devices, AGVs, and semi-autonomous logistics vehicles, the modules also suit handheld medical devices and diagnostic tools such as blood analyzers. Their compact size, rich connectivity, and high efficiency make them a scalable and cost-effective solution for performance-driven, low-power embedded systems.

Key Features



Scalable



Application-Ready



Rugged



Energy Efficient

Intel Products & Technology



[Intel® Core™ Processors](#)



[Intel Atom® Processors](#)



[OpenVINO™ Toolkit](#)

[Intel® Advanced Vector Extensions 2 \(Intel® AVX2\)](#)

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