

## An “industrial server” made of MicroTCA building blocks (& something else)

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The demands from the markets these days are very diverse as they do not only include request for simplified solutions but also clear requirements for new interconnect and interface options, high precision timing and flexible processing power.

Using MicroTCA building blocks such as MTCA.0 rev3 compliant components and existing as well as new 1U 19”enclosures, N.A.T. has developed a new server type family of products. These solutions can be considered as a true industrial server with AMC/RTM extension slots on the one hand, but as a ready-to-deploy MicroTCA.4 system on the other hand.

The new architecture can be a door opener for AMCs to enter markets still being dominated by other formfactors. By the features embedded into the solution, system designers can benefit from the value of MicroTCA for high-end, reliable systems.

Another part of this new MicroTCA system concept is a new system-level approach to AMC design and testing which at the same time delivers the world’s first full-featured one-slot MicroTCA system.

For the first time an AMC designer can develop, test and deploy an AMC completely separated from any MicroTCA infrastructure. The solution eases the AMC design process as it significantly reduces the must-have knowledge requirement on MicroTCA and thus allows hardware and software developers to focus on the AMC design.

This presentation will high-light the system architectures with all default and application specific options. A live demonstration will also be available.

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