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New 1U MicroTCA Chassis Platform From VadaTech Maximizes Computing Density with Full Redundancy

Henderson, NV – July 28, 2014 – VadaTech, a manufacturer of embedded boards and complete application-ready platforms, now offers a 1U MicroTCA chassis platform with several unique design features that allow more slots in a front-to-rear cooled solution while maintaining full redundancy.

The VT840 employs several design concepts to maximize computing density. Offering front-to-rear cooling and full redundancy takes up slot space. The VadaTech chassis combines the fan trays and power supplies on the rear of the chassis, allowing 6 AMC slots in the single module size. VadaTech also provides dual integrated shelf managers on the 1U chassis platform. The mezzanine approach of the shelf managers allow the company to provide various front panel I/O options in a compact dedicated space. The six AMC slots are divided among two sets of three slots for full redundancy options with failover. Each set of slots have their own dedicated PCIe Fabric, GbE, Power Module, clock structure, and management.

The VT840 has quad SFP+ ports for 10 GbE and quad SFP for GbE. The chassis runs x8 PCIe Gen 3 on ports 4 to 11. The Layer 2 managed GbE base channels are routed across ports 0 and 1.

VadaTech provides the full ecosystem of MicroTCA products, including AMCs, chassis platforms, MCHs, and power modules. The company also offers AdvancedTCA chassis platforms in commercial and rugged formats.

About VadaTech

VadaTech provides innovative embedded computing solutions from board-level products, chassis-level platforms, to configurable application-ready systems. With a focus on MicroTCA and AdvancedTCA solutions, the company offers unmatched product selection and expertise in the full xTCA ecosystem. With our unique combination of electrical, mechanical, software, and system-level expertise, VadaTech can provide customized commercial or rugged computing solutions to meet the most complex customer requirements. VadaTech also offers specialized product solutions for VPX/VME, CompactPCI, and other architectures. A member of PICMG and VITA, VadaTech is headquartered in Henderson, NV with offices in Europe and Asia Pacific.

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