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Rugged 1U MicroTCA Chassis Platform from VadaTech Offers Highest Performance Density

Henderson, NV – Dec 15th, 2014 – VadaTech, a manufacturer of embedded boards and complete application-ready platforms, now offers a rugged 6-slot MicroTCA chassis in a 1U height. The chassis is designed to meet MIL-STD-901D and 810G for shock and vibration and MIL-STD-461F for EMI.

The VT950 offers the highest performance density of any rugged 1U backplane-based embedded chassis in the marketplace. Competing rugged architectures are typically at least 3U high for comparable slots/performance. The VadaTech chassis utilizes a thicker aluminum construction than commercial enclosures, a reinforced cover, and several other ruggedization techniques. There are also rear blind-mate bushings that provide alignment and stability into a 19" rack enclosure. The VT950 holds up to 6 Advanced Mezzanine Cards (AMCs) and has an integrated MCH with IEEE1588/SyncE/GPS capabilities. This includes clock disciplining with arbitrary clock frequency output and holdover (Stratum-3 option) including 1 Pulse Per Second (PPS) regeneration and holdover. The MCH can use various fabrics such as 40GbE/10GbE, PCIe Gen 3, or Serial RapidIO.

The rugged 1U chassis offers front-to-rear cooling with a 500W universal AC or 400W DC power supply. Another feature of the VT950 is an optional JTAG Switch Module, including a Virtual JTAG probe. MicroTCA.1 modules with front panel retention screws can be plugged into the chassis. VadaTech offers special retention clips so that standard MicroTCA.0 AMCs can be securely held into the chassis during shock and vibration.

VadaTech provides the full ecosystem of MicroTCA products, including AMCs, chassis platforms, MCHs, and power modules. Rugged ATR chassis are available in several formats. The company also offers AdvancedTCA products in various styles and specialty items in VPX, CompactPCI, and more.

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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