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VadaTech Announces 4U Rugged MTCA.1 Chassis Platform with 12 AMC Slots

Henderson, NV – July 12, 2019 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the VT931. The VT931 is a rugged MicroTCA chassis that provides 12 AMC slots and can accept any AMC.1, AMC.2, AMC.3 and/or AMC.4 modules. The chassis has perforated bottom and top covers for airflow from the upper fan tray. The VT931 is a 4U version of the VadaTech VT930 with an additional integrated removable upper cooling unit.

The chassis is designed to MicroTCA.1 specification for rugged applications. It has a Dual Star backplane configuration with 40GbE or PCIe Gen3 capability. The VT931 has dual redundant FRU information and Carrier Locators, and the Carrier Locator is assigned by easily accessible mechanical dip switches. As the switches are removable, the backplane can remain passive. The MCH reads the Locator via its private I2C bus.

The VT931 backplane supports up to 40GbE or PCIe based on a VadaTech design optimized for signal integrity. In regards to cooling, it provides a compact cooling configuration with a single intelligent Cooling Unit to optimize space usage for electronics. The cooling airflow is from bottom to top. There are multiple temperature sensors in the chassis that monitor the intake and the outtake air temperature throughout the chassis. The sensors can be monitored by a Management Controller over redundant IPMI bus. The Cooling Unit is located at the top of the AMC slots in a pull configuration. The fan tray is removable, allowing easy maintenance of the system over time.

About VadaTech

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

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