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New MicroTCA.4 Chassis From VadaTech Offers Rear I/O Options

Henderson, NV – Aug 20, 2013 – VadaTech, a manufacturer of embedded boards and complete application-ready platforms, now offers an 8U MicroTCA.4 chassis designed for High-Energy Physics and other applications that require rear I/O. The chassis features full redundancy, including dual fan trays, dual MicroTCA Carrier Hub (MCH) slots, and quad Power Module (PM) slots.

VadaTech worked to specifically address customers' concerns with other MicroTCA.4 chassis in the marketplace, including fan tray alignment, chassis weight, cable management, and more. The VadaTech VT811 chassis features a light-weight aluminum construction with integrated cable ducts below the card cage. This allows the cables to be easily protected and routed to the rear of the chassis. The fan trays utilize Teflon strips which make insertion/extraction smoother and easier. Plus, the trays have shrouded blind-mate connectors for both the male and female ends, which prevent damage and ease guided insertion.

The VT811 chassis has a 30-layer impedance controlled backplane with slots for 12 double-wide AMC modules in the mid-size, plus 2 MCHs, and 4 PMs. The clock traces are laid out to give equal track length from MCH to each AMC slot, easing latency equalization. The rear of the enclosure allows for 12 double-wide Rear Transition Modules (RTMs) to be inserted. The fan trays are arranged with sixteen 2" fans each above and below the card cage in a push-pull configuration. The smaller, powerful fans ensure each slot gets optimal airflow, avoiding hot spots.

Other features of the VT811 chassis include radial I2C bus to each AMC, an integrated and pluggable JTAG Switch Module (JSM), and Telco Alarm. Ports 2-3, 12-15 and 17-20 are connected among the slots per the MicroTCA.4 recommendation.

VadaTech also offers other MicroTCA.4 products, including Intel processor AMCs, Xilinx FPGA AMCs, and other chassis configurations, as well as MCHs and Power Modules. For a MicroTCA.4 product roadmap or for customized versions, contact info@vadatech.com

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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