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VadaTech Announces MicroTCA Chassis optimized for FPGAs

Henderson, NV – March 1, 2017 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the VT882. The VT882 is a 2U MTCA chassis that provides eight extended-size/full-size and/or mid-size AMC slots that can accept any AMC.1, AMC.2, AMC.3 and/or AMC.4 modules. It provides TCLKA, TCLKB, TCLKC and TCLKD as well as FLCLKA to each slot in addition to the JTAG signals. It also contains capability for full redundancy by having a redundant MCH, Power Modules, as well as redundant Cooling Units for high availability. Option for redundant/non-redundant clock is per MTCA specification.

The VT882 has High-speed routing on 26 layers (40G capable) and High-speed MTCA connectors (12.5 GHz). Pairs of modules have ports 2-15 and 17-20 routed locally (not via a switch), making the chassis ideal for housing FPGA modules communicating over low-latency protocol such as Aurora. Ports 0 and 1 are routed to GbE switches as normal, supporting control plane resource management.

The chassis has a JTAG Switch Module (JSM) slot per MTCA specification. This JSM provides transparent communication between the front JTAG port and the selected AMC device. This can be used with the Ethernet Virtual Probe capabilities of VadaTech's 3rd generation MCH, the UTC004. Virtual Probe services are available to provide JTAG via Ethernet for Xilinx FPGAs. This allows for standard development tools such as Xilinx iMPACT / ChipScope to treat the MCH/JSM combination as if it was a standard JTAG probe, removing the need to attach JTAG probes directly to each FPGA.

About VadaTech

[VadaTech](http://www.vadatech.com) 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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