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Vadatech Introduces Application-Ready Platforms for Mil/Aero

Henderson, NV – Nov 18, 2013 – Vadatech, a manufacturer of embedded boards and chassis platforms, has announced its first application-ready platform (ARP). The ARP is a pre-configured system platform that is suited for Mil/Aero applications requiring front-end deterministic processing and high data rates.

The ARP200 Application-Ready Platform for Mil-sensor processing utilizes 5 AMC515 FPGAs, 1 AMC713 Freescale™ PowerPC P5020 processor, 1 MicroTCA Carrier Hub (MCH) and 1 power module. Many of these applications require a highly connected FPGA cluster for multi-core signal conditioning and pre-processing from multiple sensor inputs. VadaTech offers a Virtex-7 FPGA as a default, but has standard options for Kintex, Artix, and Zynq chipsets based on the desired price/performance of the system. Similarly, the ARP200 has a standard PowerPC P5020 Advanced Mezzanine Card (AMC) processor, but offers Intel® and Cavium™-based processors as options.

Utilizing a 7U Cube MicroTCA format, the dimensions of the ARP200 are approximately 12.25" Tall x 5" wide x 9" deep. The chassis has redundant push-pull cooling in a front-to-rear airflow configuration. The 6-slot ARP also includes a standard Telco alarm and JTAG Switch Module (JSM) for testing/development.

VadaTech offers the full ecosystem of MicroTCA-based modules including processors, MCHs, power modules, chassis, FPGA, graphics, network, I/O, and storage modules in the MicroTCA/AMC form factor. The company also provides ruggedized MicroTCA.2 and .3 products used in extreme environments.

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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