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## **New Dual D/A Converter From VadaTech Features High Sampling Rate and Kintex-7 FPGA**

Embedded World – Feb 23, 2015 – VadaTech, a manufacturer of embedded boards and complete application-ready platforms, now offers a dual Digital-to-Analog Converter (DAC) compliant to the MicroTCA.4 specification for High Energy Physics.

The AMC523 is a dual DAC at 250 Mega Samples Per Second (MSPS) at 16-bit resolution. It comes in a double module, mid-size (full-size is optional) and routes x8 or dual x4 PCIe to the backplane. The module features a Kintex-7 FPGA with 2 GB of DDR3 memory, allowing for large buffer sizes to be storing during processing and queueing data to the host.

The dual DAC module connects with its corresponding Rear Transition Module (RTM) per MicroTCA.4, VadaTech's MRT523. The AMC523 routes 12 channels of ADC signals that originate from the MRT523 via the RTM to the FPGA. The front panel of the AMC523 also has quad SFP+, one JTAG, and CLK/Trig ports.

VadaTech is the industry's only supplier of the full ecosystem of MicroTCA.4 products, including AMCs/RTMs, chassis platforms, MCHs, power modules, JSMs, and more. The AMCs includes ADC and DAC modules, FPGAs, processors, switches, graphics, storage, I/O, and other specialty boards.

### **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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