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VadaTech Announces a 6U VPX Virtex and Zynq UltraScale+ FPGAs with High-speed ADC/DAC

Henderson, NV – March 26, 2024 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the VPX555. The VPX555 is a 6U VPX module with Virtex UltraScale+™ XCVU13P FPGA and a Zynq UltraScale+™ XCZU4CG FPGA in conjunction with three Analog Devices AD9081. Each FPGA has 8 GB of DDR-4 memory. The Zynq+ PS side has a 64 GB of SSD for mass storage flash and the AD9081 provides four DACs at 16-bit and four ADCs at 12-bit resolution. The boards 12 ADCs/DACs are fully synchronized to each other.

The VPX555 receives a reference clock from the backplane as well as sync signals, which allows for the creation of a phase-coherent transceiver system spanning multiple VPX blades. The health management on the board is based on VITA 46.11 with Tier-2 support. Additionally, the board is available in a range of temperature and shock/vibe specifications per ANSI/VITA 47, up to V3 and OS2. Please consult with VadaTech Sales to discuss the Conduction Cooled versions and other specific ordering options.

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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