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VadaTech Announces new 6U OpenVPX Dual Xilinx Kintex UltraScale™ XCKU115 FPGA Board

Henderson, NV – November 8, 2018 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the VPX551 high-speed FPGA compute module for signal processing and beamforming applications.

The VPX551 provides dual Kintex UltraScale™ XCKU115 FPGAs, each providing over 1,400K logic cells, which interface directly to rear I/O via SERDES, LVDS and fiber. Each FPGA is supported by 16GB of 64-bit wide DDR4 (2 x Bank of 8GB) and 1GB flash. The rear panel fiber I/O is via six VITA 66.5 x12 modules, each of which can be populated as transmit or receive. The front panel fiber I/O is via SFP+. The two FPGAs are connected by four SERDES lanes for high speed communication and load sharing, and each has 16 high-speed SERDES routed to P1/P2.

The VPX551 includes Tier 2 platform health management/monitoring capability using VadaTech's field-proven IPMI software. In addition an on-board management controller has the ability to access board sensors and manage FPGA image updates. The unit is available in a range of temperature and shock/vib specifications per ANSI/VITA 47, including conduction cooled up to V3 and OS2.

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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