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VadaTech Announces the UltraScale+ Module with High Speed I/O

Henderson, NV – January 30, 2018 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the AMC584. The AMC584 is a double-module in an AMC form factor card with Xilinx Virtex UltraScale+™XCVU13P FPGA and two banks of 64-bit wide DDR4. The XCVU13P FPGA provides over 12,000 DSP slices and 3,780 thousand logic cells.

The XCVU13P FPGA is routed to base and extended option regions (all the tongue one SERDES are routed). The module routes up to twenty lanes to Tongue 2 for PinoutPlus™ connection to neighbouring AMC's (in chassis supporting this option) such as the AMC750, supporting high-speed data throughput within the MicroTCA standard. The front panel QSFP28 ports support data output of up to 5x 100 GbE over standard connectors for ease of connection to external equipment.

The AMC584 also contains a high-speed Zone 3 connector that provides the primary digital I/O routing. Multiple high-speed data acquisition modules (e.g. VadaTech AMC594) can be connected to the AMC584 (e.g. for generating I/Q or multi-polarizations), or this I/O can be routed to further FPGA AMCs for additional processing. The combination of AMC584 and AMC594 allows system integrators to construct signal acquisition systems with sample rates up to 56 GSPS, supported by extensive DSP processing and with up to 500 Gbps output. Contact sales for further information.

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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