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VadaTech announces the AMC580 Zynq UltraScale+ Module

Henderson, NV – October 18, 2017 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the AMC580. The AMC580 is an AMC FPGA Carrier with Xilinx Zynq UltraScale+ (XCZU19EG) FPGA and dual FMC (VITA-57) sites.

The module supports flexible clocking with on-board jitter cleaner, and the FPGA connects to DP0-9 and all FMC LA/HA/HB pairs on both FMC sites. The FPGA has an interface to a single DDR4 memory channel (64-bit wide with ECC) which allows for large buffer sizes to be stored during processing. The module has on board 64 GB of Flash, 128 MB of boot flash and an SD Card as an option. The RTM (Rear Transition Module) pinout is compatible with the DESY D1.2 recommendation, for compatibility with a wide range of off-the-shelf RTMs.

AMC580 is based on the Xilinx UltraScale+ XCZU19EG MPSoC FPGA which has a quad-core ARM processor, dual-core Cortex-5 and a graphics processing unit. The EG devices have the specialized processing elements needed to excel in next-generation wired and 5G wireless infrastructure, while the ZU19 is the largest device in the range with 1968 DSP slices and 1143k logic cells.

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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