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VadaTech Announces new Xilinx UltraScale+™ XCZU15EG FPGA Carrier Boards (In both AMC and 3U VPX)

Henderson, NV – July 27, 2018 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces two new products based on the Xilinx Zynq® UltraScale+™ MPSoC (MultiProcessor System on Chip).

The [AMC581](#) is an AMC FPGA Carrier with a single FMC (VITA 57) site and is compliant to AMC.1, AMC.2 and AMC.4 specifications. The on-board re-configurable FPGA interfaces directly to the AMC FCLKA, TCLKA-D, FMC DP0-9 and all FMC LA/HA/HB pairs. The FPGA interfaces to a single DDR4 memory channel (64-bit wide) for local data storage. The module has on board 64 GB of Flash, 128 MB of boot flash and an SD Card as an option.

The VPX581 is a 3U VPX FPGA Carrier with the same base architecture, making it easy for developers to port between these two embedded computing form factors. The unit includes a dedicated Health Management processor for use with Chassis Management solutions supporting VITA 46.11 Tier-2 command set and is compatible with a chassis having JTAG Switch Module (JSM).

Both modules are based on Xilinx UltraScale+™ XCZU15EG MPSoC FPGA which provide 3,528 DSP Slices and 746k logic cells. The XCZU15EG includes a quad-core ARM application processor, dual-core ARM real-time processor and Mali™ graphics processing unit, as well as, over 26 Mb of block RAM and 31 Mb of UltraRAM. The device is aimed at applications such as situational awareness, secure networking and machine vision.

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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