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VadaTech Announces a new 3U VPX Zynq UltraScale+ FPGA, FMC+ Carrier Board

Henderson, NV – June 5, 2020 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the [VPX585](#). The VPX585 is a 3U VPX FPGA Carrier with single FMC+ (VITA-57.4) interface. The unit has an on-board, re-configurable FPGA which interfaces directly to the VPX P1 connector and all FMC+ LA/HA/HB pairs (the module does not support HSPCe connector). The FPGA interfaces to two DDR4 memory blocks (8GB of 64-bit wide with ECC to the Processor Subsystem, and 8GB of 64-bit wide to the Programmable Logic). This allows for large buffer sizes to be stored during processing as well as for queuing the data to the host.

The VPX is based on Xilinx UltraScale+ XCZU19EG MPSoC FPGA with single FMC+ site. The FPGA has 1968 DSP Slices and 1143k logic cells. The XCZU19EG includes a quad-core ARM application processor, dual-core ARM real-time processor and Mali™ graphics processing unit, as well as over 34.6Mb of block RAM and 36 Mb of Ultra RAM. The module has onboard 64 GB of Flash, 128 MB of boot flash and a SD Card as an option.

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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