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New A/D and D/A Converter FMC from VadaTech Offers High Sampling Rates

Henderson, NV – Jan 13, 2015 – VadaTech, a manufacturer of embedded boards and complete application-ready platforms, has announced a new FPGA Mezzanine Card (FMC) that is both an A/D and D/A converter. The module is compliant to the VITA 57 specification and offers very high performance targeted towards RADAR, LTE/Broadband communications systems, ATE, Physics, and video/broadcast requirements.

The FMC225 is a 14-bit 5.7 Giga Samples Per Second (GSPS) D/A converter and a 12-bit 4.0 GSPS A/D converter.   The DAC core is based on a quad-switch architecture that enables dual-edge clocking operation, effectively increasing the DAC update rate to 5.7 GSPS when configured for Mix-Mode™ or 2x interpolation. The input sampling clock can be via the front panel or the on board wide-band PLL. The FMC225 has a trigger input which is routed to the FMC connector. The analog input/output, clock input and trigger inputs are routed via SSMC connectors.

VadaTech offers FMCs in Networking, Digital Converter, and RF Module types.   The Company also offers the full ecosystem of MicroTCA products, including FPGAs, MTCA infrastructure, processors, graphics, storage modules and more.

About VadaTech

VadaTech provides innovative embedded computing solutions from board-level products, chassis-level platforms, to configurable application-ready systems. With a focus on MicroTCA and AdvancedTCA solutions, the company offers unmatched product selection and expertise in the full xTCA ecosystem.   With our unique combination of electrical, mechanical, software, and system-level expertise, VadaTech can provide customized commercial or rugged computing solutions to meet the most complex customer requirements. VadaTech also offers specialized product solutions for VPX/VME, CompactPCI, and other architectures. A member of PICMG and VITA, VadaTech is headquartered in Henderson, NV with offices in Europe and Asia Pacific.

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