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VadaTech Announces a 3U VPX, Four ADC 12-bit @ 10.25 GSPS with UltraScale+

Henderson, NV – May 11, 2023 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the [VPX584](#). The VPX584 provides a Quad ADC with sampling rates of up to 10.25 GSPS at a 12-bit resolution (Analog Device AD9213). The units XCVU13P FPGA has large 360 Mb on-chip UltraRAM. The FPGA interfaces directly to rear I/O via SERDES and LVDS, supporting PCIe, SRIO, GbE/10GbE/40GbE/100GbE or Aurora backplane connections. Front panel contains four user LED's.

Additionally, the VPX584's four ADC have a common sampling clock, which is coming from an on board PLL locked to a 10/100 MHz reference clock sourced from front panel or backplane. The unit also includes a platform health management/monitoring capability using VadaTech's field-proven IPMI software as well as a onboard management controller that has the ability to access board sensors and manage FPGA image updates. The module is available in a range of temperature and shock/vibration specifications per ANSI/VITA 47, up to V3 and OS2. Please consult with VadaTech Sales to discuss ordering options.

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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