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VadaTech Announces a new 3U VPX, Dual ADC 12-bit @ 6.4 GSPS or Quad ADC @ 3.2 GSPS with Virtex UltraScale+

Henderson, NV – June 29, 2020 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the [VPX572](#). The VPX572 provides a dual ADC with sampling rates of up to 6.4 GSPS at 12-bit resolution (ADC12DJ3200). The ADCs are capable of being configured to run as quad channel each running at 3.2 GSPS. The XCVU13P FPGA has large 360 Mb on-chip UltraRAM which is excellent for applications such as radar simulation and smart jamming. The FPGA interfaces directly to rear I/O via SERDES and LVDS, supporting PCIe, SRIO, GbE/10GbE/40GbE or Aurora backplane connections. There are also general purpose I/O signals, e.g. for trigger, routed to the front panel, which also contains 8 bi-color user LEDs.

The ADCs on the VPX572 have a common sampling rate, which can be fed from front panel (Direct RF Clock) or from PLL locked to a 10/100 MHz reference clock sourced from front panel or backplane. The ADCs are fully coherent with sampling clock selection being by ordering option. The board also includes board health management/monitoring capability using VadaTech's field-proven IPMI software, compatible with our tier 2 platform managers. An on-board management controller has the ability to access board sensors and manage FPGA image updates.

The unit is available in a range of temperature, shock and vibration specifications per ANSI/VITA 47, up to V3 and OS2

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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