VadaTech Announces a 6U OpenVPX, 100G Switch with Integrated Health Management

Henderson, NV – May 31, 2023 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the VPX010. The VPX010 is part of the VadaTech family of 100G switches fully integrated with health management, which are the most feature-rich VPX products on the market. The management software is based on VadaTech's operationally proven robust Carrier Manager and Shelf Manager. The MCMC manages the Power Modules, Cooling Units, and up to 12 payload modules within the chassis. It also manages the 100GbE switch. The Ethernet switch is managed with an enterprise grade Layer 2 or 3 switching/routing stack that supports IEEE1588 and Synchronous Ethernet. Each 100G port is configurable to run as 40GbE, as four 10GbE or four 1GbE. The switch has a throughput of 3.2 TB which allows each port to run at full 100G speed without any blocking.

The VPX010 runs Linux on its centralized quad-core CPU and is fully redundant when used in conjunction with a second instance of the module. The firmware is HPM.2 compliant which allows for easy upgrades. The unit provides JTAG services to the payload modules via the JSM which eliminates a separate JTAG dongles per board in the system. The virtual JTAG option allows the boards in the system to have a JTAG interface via IP and programmed remotely without any JTAG dongle in the system. The VPX010 has advanced clocking features including grand master clock and high-quality clock distribution/synthesis. 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.

VadaTech, Inc. www.vadatech.com 198 N. Gibson Henderson, NV 89014