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### **VadaTech Announces a 6U VPX, Dual XMC Carrier with Intel® Xeon™ W-11865MRE, PCIe Gen4**

Henderson, NV – September 10, 2024 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the [VPX768](#). The VPX768 is a 6U processor module (VITA 46) for general purpose processing in demanding applications. Based on the Intel Xeon W11865MRE processor, the efficient SoC design has high-bandwidth, highspeed I/Os for expansion and peripherals, supports real-time workloads and brings functional safety solutions to market faster (Intel® FSED).

The module provides dual PCIe Gen4 x16 on P1/P2. The x16 lanes could be bifurcated down to x1 lanes to eliminate a PCIe switch in the overall system architecture. In the rear it provides four SATA Ports, dual Ethernet 10GBASE-KR, dual Ethernet 10GBASE-T, 3x USB ports, dual Display Port (DP), RS-232 and Audio. The module provides GbE (1000-BaseT), Video (DP++), USB 3.2 and RS-232 to the front panel. There are two XMC sites on the VPX768 with each mating to the CPU via PCIe Gen4 x8 lanes. Each XMC rear I/O follows the VITA 46.9 per P3w3-X38s+P4w1-X12d+X8d and P5w1-P64s+P6w1-X12d+X8d pin field definition.

The VPX768 provides dual channel DDR4 (up to 64GB total) with Error Correction Code (ECC), Flash for the OS, and an optional 1TB SSD NVMe module. The BIOS allows booting from onboard Flash, offboard SATA, PXE boot or USB. The onboard Health Management running on a dedicated processor is one of the most sophisticated offered on the market with Server Management capabilities. It allows for Remote Management via Ethernet, redirect of the video over IP to monitor the boot process remotely, Serial Over LAN (SOL), etc. It also meets Tier two support per VITA specification. The modules come with Trusted Platform Management (TPM).

Linux or Windows OS are supported by default on the VPX768. The unit 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 specific 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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