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VadaTech Announces Rugged MicroTCA Carrier Hub (MCH), 40GbE/PCIe Gen 3

Henderson, NV – September 25, 2019 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the UTC042. The VadaTech UTC042 is a rugged version of the UTC004 (the front I/O Dual Ethernet ports have changed from 10G copper to the 1Gb copper, other I/O matches the UTC004), the most feature-rich MCH in the market. Its management software is based on VadaTech's robust Carrier Manager and Shelf Manager which have been deployed for years with proven results. The MCMC manages the Power Modules, Cooling Units, and up to 12 AMCs within the chassis. It also manages the optional PCIe Gen3, SRIO Gen2, 40GbE/10GbE or Crossbar Fat Pipe switches as well as the standard GbE with 1GbE uplink Base Channel switch. The Ethernet switches are managed with an enterprise grade Layer 2 or 3 switching/routing stack and they support Synchronous Ethernet.

The UTC042 runs Linux on its centralized quad-core CPU and is hot-swappable/fully redundant when used in conjunction with a second instance of the module. The firmware is HPM.2 compliant which allows for easy upgrades. It provides Master JTAG services to the AMCs via the JSM. The UTC042 has advanced clocking features including grand master clock and high-quality clock distribution/synthesis.

The MCH is available in MTCA.1 format (with front panel retention screws) and includes additional mechanical supports and heatsink modifications in order to withstand higher levels of shock and vibration than the standard UTC004.

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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