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VadaTech Announces a new Processor AMC with Layerscape LX2160A and support for SRIO/PCIe

Henderson, NV – February 8, 2021 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the [AMC705](#). The AMC705 is a Processor AMC (PrAMC) based on the NXP Layerscape LX2160A in a single-module, full-size AMC form factor based on the AMC.1, AMC.2 and the AMC.4 specifications. The LX2160A provides 16 Cortex- A72 cores with 8 MB platform cache and dual 64-bit memory controllers.

Additionally, the front panel on the module provides GbE via a RJ-45 connector and 100GbE/40GbE/Quad-10GbE via a QSFP28 connector. The AMC705 provides dual 10/1GbE to the rear per AMC.2 specification on Ports 0 and 1. Ports 0 and 1 will support 10G operation but this is outside the AMC standard (MCH with 10G on ports 0/1 or point to point on backplane is required). The 10GbE support on ports 0 and 1 allows only 40GbE on the front panel. If 100GbE is desired ports 0 and 1 must run at 1GbE and Ports 4-7 can be configured as SRIO or PCIe. The module also has option for PCIe on port 8-11 and when ports 8-11 are routed, the module could be configured as dual PCIe x4 or single x8. The two 64-bit wide memory banks on the module provide up to 16 GB of DDR4 with ECC.

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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