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VadaTech Announces Flexible I/O FMC

Henderson, NV – January 12, 2018 – VadaTech, a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, announces the FMC155. The FMC155 is an FPGA Mezzanine Card (FMC) per VITA 57.1 standard, offering a small footprint and allowing for general-purpose I/O expansion.

The FMC155 provides sixteen LVDS input/outputs, eight RS-485/422 RX plus eight RS-485/422 TX, and sixteen single-ended +3.3 V input/outputs. LVDS signals go through a Cross Bar Switch (CBS), which allows input/output routing within each group of eight LVDS signals. Each FMC155 CBS port can be individually software-configured for routing, termination, and direction. RS-485/422 can be full duplex or half-duplex depending on ordering option selected.

System integrators will value having a single off the shelf module to provide multiple I/O with standard high density connector for ease of cabling and differential signaling between the transceivers on the FMC and the FPGA on the carrier for optimal signal integrity across the FMC connector. The flexibility provided by the cross bar switch eases integration with programmable LVDS termination and routing.

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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