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VadaTech, Inc. [www.vadatech.com](http://www.vadatech.com)

## VadaTech Announces Three New FMC Carrier PCI Express Cards Featuring High Performance FPGAs

Henderson, NV – July 15, 2016 – [VadaTech](http://VadaTech), a leading manufacturer of integrated systems, embedded boards, enabling software and application-ready platforms, today launched three new FMC carriers in the PCI Express form factor. The [PCI516](#), [PCI592](#) and [PCI595](#) cards are ideal for bringing COTS PCIe systems up to date with the latest FPGAs, or for integrating high-end FMCs. All three cards provide direct connections to neighboring cards, avoiding the need to stage data through the host processor, so optimizing throughput and minimizing latency for high-performance applications. Active cooling is provided for both the FPGA and FMC, making the modules ideal for power-hungry applications or those requiring temperature stability for good performance.

- The [PCI516](#) features a Xilinx Virtex-7 690T FPGA, which provides 3,600 DSP slices, 52,920Kb RAM and 690,000 logic cells.
- The [PCI592](#) features a Xilinx Kintex UltraScale XCKU115 FPGA, which provides 5,520 DSP slices, 75.9 Mb RAM and 1,451,000 logic cells.
- The [PCI595](#) features the Xilinx Virtex UltraScale XCVU440 FPGA, which provides 2,880 DSP slices, 88.6 Mb RAM and 5,541,000 logic cells.

Saeed Karamooz, CEO and chief architect of VadaTech, Inc., said: “By leveraging existing VadaTech IP into these new PCIe cards, we have been able to ensure they are stable and proven in development and deployment. The highest performance UltraScale FPGAs are ideal for ASIC prototyping or emulation, and 100G transponder or muxponder applications. We have a customer using this technology for algorithm development and testing prior to deploying in an ASIC for high performance testing of next generation networks, including 5G. The PCI516 allows developers to integrate fast, high-resolution ADCs and is ideal for applications that require high-performance analog and digital processing.”

The FPGAs on these new PCIe cards are supported by 64-bit wide memory banks, which allows for large buffer sizes to be stored during processing as well as for queuing the data to the host. VadaTech provides BSP support and royalty-free VHDL code to support developers in bringing up systems. The company also offers a wide range of compatible [FMCs](#), including [ADC, DAC](#) and [networking](#).

### About VadaTech

[VadaTech](http://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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