



Providing Unprecedented Performance Density
EMBEDDED COMPUTING OVERVIEW BROCHURE

Boards | Chassis Platforms | Application Ready Platforms



ABOUT US

VadaTech provides innovative embedded computing solutions from board-level products, chassis-level platforms, to configurable application-ready systems. With our unique combination of electrical, mechanical, software, and system-level expertise, VadaTech can provide customized commercial or rugged computing solutions to meet the most complex customer requirements.



Our expertise includes:

- Processors • Networking
- FPGAs • Chassis Design/Integrated Systems
- Graphics • Storage • Power Modules
- Shelf Management • Carriers/Adapters • Software

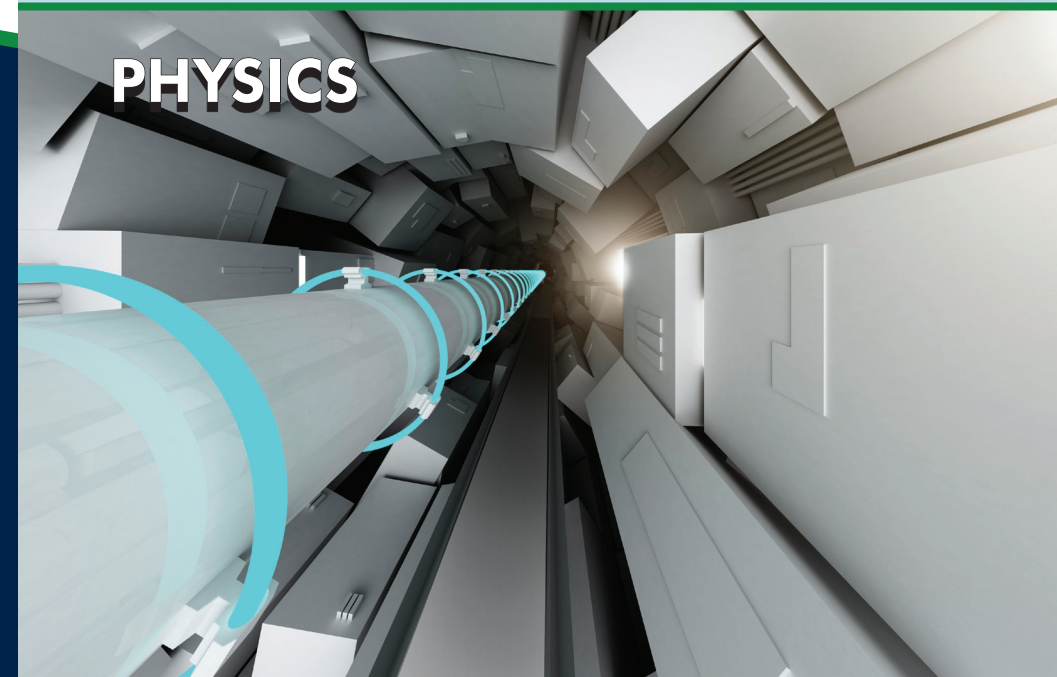
MARKETS



MIL/AERO



CLOUD/COMMUNICATIONS



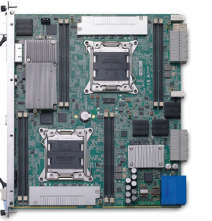

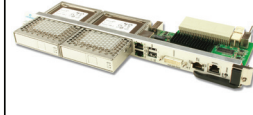




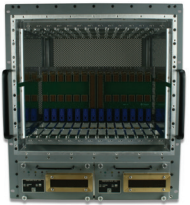


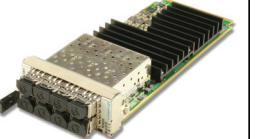









PHYSICS

Other key markets for VadaTech products include:

- Transportation
- Network Security
- Test/Measurement
- Medical
- Industrial
- Energy

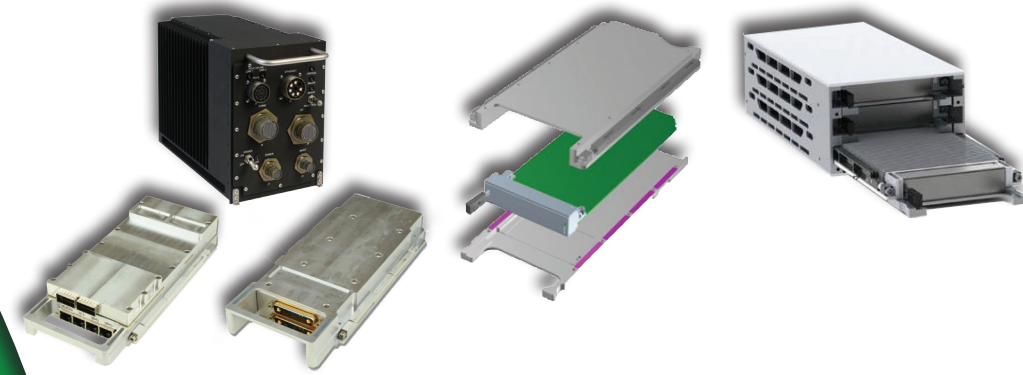
PRODUCTS

MICROTCA ADVANCEDTCA

Processors	FPGAs/FMCs	Switches	Graphics/Mixers	Storage	Chassis Platforms	Shelf Managers/MCH	Network Cards	I/O Modules & RTM	Carriers	Power Modules	Rugged/ATR
 <ul style="list-style-type: none"> • 10G or 40G 	<p>COMING SOON</p> <ul style="list-style-type: none"> • 56 GSPS Ultra Scale FPGA 	 <ul style="list-style-type: none"> • Layer 2 or Layer 3 • 10G to 40G • Economic versions 	<p>COMING SOON</p> <ul style="list-style-type: none"> • Video Mixer 	 <ul style="list-style-type: none"> • Mega RAID Storage Carrier • RTM Storage with AMCs 	 <ul style="list-style-type: none"> • 3U-6U Horizontal Mount • 13U-15U Vertical Mount • 8U, 12U Rugged • Application-Ready Platforms 	 <ul style="list-style-type: none"> • Up to 3 generations • Mezzanine style • Versions for various vendor's chassis 	<p>SEE RTMs</p> <ul style="list-style-type: none"> • See RTMs 	 <ul style="list-style-type: none"> • Versions for VadaTech Boards • Versions for Vendor-specific Boards • Common pinout • Storage 	 <ul style="list-style-type: none"> • For AMC boards • For VITA technologies • For PICMG technologies • Carrier Switches 	<p>NOT SOLD SEPARATELY</p> <ul style="list-style-type: none"> • Not sold separately 	 <ul style="list-style-type: none"> • Rugged 19" rackmount
 <ul style="list-style-type: none"> • Intel-based Xeon • Intel-based Core i • Freescale-based QorIQ • Tiler-based GX 	 <ul style="list-style-type: none"> • Xilinx-based • Altera-based • Networking FMCs • A/D & D/A FMCs • RF Module FMCs 	 <ul style="list-style-type: none"> • Layer 2 or 3 • Multi-port • GbE to 10GbE 	 <ul style="list-style-type: none"> • Single Channel • Dual Channel • Multi-Channel • Video Driver • Video Mixer 	 <ul style="list-style-type: none"> • Dual HDD/SDD • SAS only • SATA only • SATA/SAS • Advanced RAID 	 <ul style="list-style-type: none"> • 1U-3U Horizontal Mount • 5U-9U Vertical Mount • Cubes • ATRs • Application-Ready Platforms 	 <ul style="list-style-type: none"> • Up to 3 generations • 10G or 40G • Air or Conduction Cooled 	 <ul style="list-style-type: none"> • Cavium-based • GbE, 10GbE, 40GbE • 100G via front panel 	 <ul style="list-style-type: none"> • Multiple interfaces • MicroRTMs • Serial Adapters 	 <ul style="list-style-type: none"> • For FPGA/FMC • For PMC/XMC • For PCI/PCle 	 <ul style="list-style-type: none"> • AC or DC • Low or High Power • Air or Conduction Cooled 	 <ul style="list-style-type: none"> • 1/2 or 3/4 size ATR • Air or Conduction • Hybrid Cooled ATR • Rugged 19" rackmount
OTHER ARCHITECTURES											
<ul style="list-style-type: none"> • Currently Not Available 	<ul style="list-style-type: none"> • Currently Not Available 	<ul style="list-style-type: none"> • 3U CompactPCI • 6U CompactPCI 	<ul style="list-style-type: none"> • 3U CompactPCI • VPX video mixer • PCI video driver 	<ul style="list-style-type: none"> • Currently Not Available 	<ul style="list-style-type: none"> • ATRs • 19" rackmount (upon request) 	<ul style="list-style-type: none"> • Up to 3 generations • Mezzanine Style 	<ul style="list-style-type: none"> • Contact for details 	<ul style="list-style-type: none"> • USB Media Convertors 	<ul style="list-style-type: none"> • OpenVPX Carriers • PCIe Carriers • VXS Carriers 	<ul style="list-style-type: none"> • Contact for details 	<ul style="list-style-type: none"> • ATRs • Air or Conduction Cool

VadaTech's expertise is developing the best innovative solutions to meet your application's needs. With a focus on our modular open standard platforms of choice – MicroTCA and AdvancedTCA, we offer unmatched product selection and expertise in the full xTCA ecosystem. The company also provides specialty products in OpenVPX, CompactPCI, VME64x, and custom architectures.

PRODUCTS



VadaTech is highly experienced in ruggedizing standard COTS modules as well as providing customized rugged solutions. For MicroTCA-based products, the specification utilizes the same base modules in commercial applications with a rugged clamshell design for Mil-centric or other extreme designs. Therefore, VadaTech can ruggedize virtually any of our standard MicroTCA AMCs. The company also provides an array of rugged chassis and ATR designs. See our MTCA.2 and MTCA.3 product lines for more information.

VadaTech has developed unique ruggedized solutions for AdvancedTCA. The company also offers rugged designs in custom or specialized architectures.



QUALITY

VadaTech is a AS9100 and ISO9001 certified company. Our stringent quality assurance program provides superior product consistency, traceability, documentation and more. The Quality Management System assures continual improvements of our processes, products, services, and compliance with our customer's regulatory requirements.



- Custom Solutions
- Validation/Test
- Integration
- Ruggedization
- Thermal Management Solutions
- Lifecycle Management
- Virtual Warehousing
- Software Support



vadatech
THE POWER OF VISION

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