



vadatech
THE POWER OF VISION

BROADCAST COMPUTING

Key Features of MicroTCA

- Remote monitoring and management of the computing system
- Alarm function and carrier location
- Rugged design options for extreme environments
- Open architecture to reduce risk and costs
- Modular, scalable design for re-use and upgrades over time
- 99.99999% uptime options
- High-speed and real-time communication

MicroTCA is an excellent platform for media transport, compression, and other Broadcast computing requirements. The compact size, processing power, digital conversion, and wealth of AMC options of MicroTCA are ideal for the Broadcast market.

- Compression & Transcoding
- Media Transport & Storage
- Editing & Insertion
- Monitoring & Analysis
- 3D Mapping & Specialty Needs

For Live Broadcasting, the requirement for high-speed video processing and editing requires systems that are highly reliable, fast, provide powerful graphics processing, and have storage options. The option of rear I/O is a benefit for applications where rear cabling is preferred. Providing all of these elements in a compact and lightweight architecture is highly advantageous.

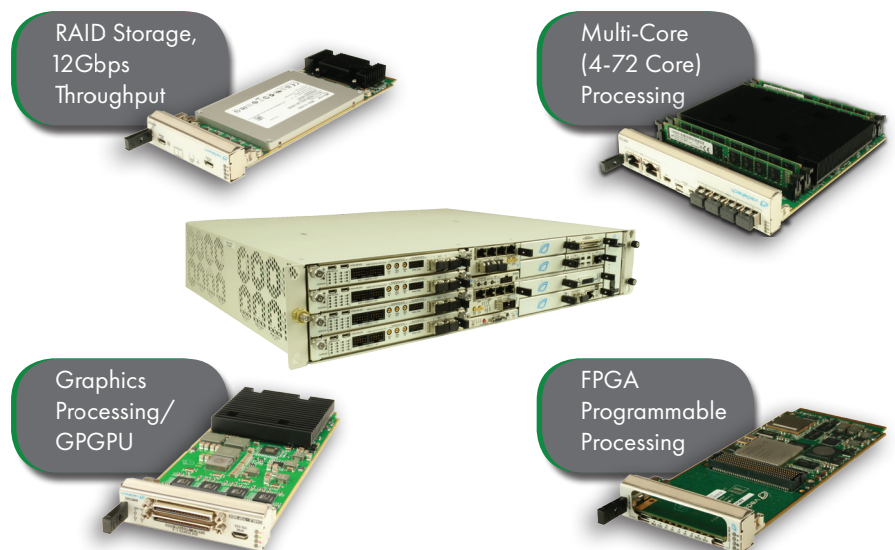


Figure 1

Figure 1 is a representative example of a 2U chassis platform configuration with high-performance graphics, up to 72 core processor, high-end storage capacity with RAID, and versatile options of FPGAs in Xilinx or Altera options.

VadaTech - The Complete MicroTCA Ecosystem

VadaTech's modular COTS platforms offers significant performance, scalability, and cost advantages. We offer the largest ecosystem of MicroTCA products, from chassis platforms, MicroTCA Carrier Hubs (MCH), Power Modules, and over 300 Advanced Mezzanine Card (AMC) modules.



Chassis Platforms



Processors



FPGAs



GPGPU



Network Interface



Storage/RAID



Other/ Specialty

We are experts at reviewing your computing requirements and providing creative, innovative solutions for your application. Although, we will design to any architecture, we offer a vast selection in our platform of choice, MicroTCA. For more information on the specification and architecture, see the Overview Guide at http://www.vadatech.com/media/article/MicroTCA_Overview.pdf.

The open, modular approach of MicroTCA allows you to utilize a wide range of vendors and products that comply to the specification. The Modular Open System Architecture (MOSA) approach has many advantages:

- **Less Risk –**
No single source, lower obsolescence risk
- **Large Ecosystem –**
Dozens of vendors and hundreds of products to choose from
- **Scalability & Upgrades –**
Modular design allows easy upgrade path
- **Tighter Vendor Competition –**
Drives innovation, upgrades, and cost reduction
- **Leverage Whole Industry –**
Leverage knowledge, expertise of dozens of vendors
- **Tech Re-Use in Multiple Applications –**
Utilize many of same modules in multiple programs
- **More Options –**
With an open spec, there is always the option to pivot and do it yourself

