



RUGGED ■ PROVEN ■ DEPLOYED

True COTS

Vast Ecosystem

Modular Design (MOSA)

Lower Cost

Rugged COTS

Looking for a versatile, modular, and reliable leading-edge performance at a lower cost? With 100G line cards, the latest array of advanced FPGAs and processors, 40G backplane performance, and standardized shelf management, VadaTech has a solution for you. We offer a complete ecosystem of open standard products with creative innovation for all types of applications. MicroTCA and AdvancedTCA (ATCA) are our platforms of choice, but VadaTech also provides customized solutions as well as specialty products in other architectures.

With its proven reliability and versatility, MicroTCA is quickly becoming the platform of choice in all types of Mil/Aero applications. This includes satellites, vetronics, avionics, RADAR, and other applications that require the highest levels of performance.



xTCA Mission Computing Ecosystem



Electronics Warfare

■ **Vetronics**

■ **Avionics**

■ **Ground Station**

■ **Rugged COTS**

■ **SONAR**

■ **RADAR**

Ruggedization/Cooling Standard Configurations

A true COTS architecture, VadaTech leverages the same low-cost, high-performance MTCA module designs in the communications market and incorporate them to defined specifications according to your level of ruggedization and requirements. Contact VadaTech for our roadmap of Rugged MicroTCA products and ATRs for MTCA.2 and MTCA.3 specifications, as well as Rugged AdvancedTCA solutions.

Test Data

MicroTCA.3 backplane connector system has successfully passed all Military and Telcordia grade testing for mechanical, environmental and ESD requirements

- Testing was sponsored by the PICMG MicroTCA.3 working group and consisted of 8 full life test groups plus a separate ESD test

- Qualification test summary, see bit.ly/HhrvjZ for test plan & final test report

	MTCA .0	MTCA.1	MTCA.2/MTCA.3
MicroTCA Ruggedization Specification Level	Telco-centric spec for AMCs plugging into the backplane without modifications.	Industrial/Semi-rugged spec for exterior and mobilized communications applications.	Hardened MTCA spec for rugged and Mil-centric wedge-lock design with airflow (MTCA.2) and no airflow (MTCA.3) over the modules.
Max Operating Shock	15g	25g	40g
Max Operating Vibration	1g sinusoidal	8g random	12g random
Operating Temperature*	-5C to +55C	Up to -40C to +55C	Up to -40C to +85C

*Specific environmental class categories are defined within each specification.

VadaTech - Industry's only supplier of full MicroTCA Ecosystem



Low Profile Chassis



Vertical Chassis



Application-ready Platforms



Shelf Manager



Power Modules



ATRs

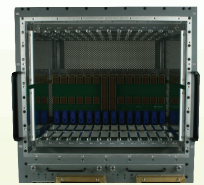


- Processor AMCs
- FPGA AMCs
- GPGPU AMCs
- Serial I/O AMCs
- Storage AMCs
- Specialty AMCs
- Network Interface AMCs



Other Architectures Specialty products in VPX/cPCI/other.

Rugged ATCA



The VT820 is a 12U rugged AdvancedTCA for deployed defense applications. It was specifically designed for extreme environments and meets MIL-STD-461 for EMI and MIL-STD-810F for shock & vibration.

For more information on Rugged ATCA, contact us at sales@vadatech.com or visit www.vadatech.com