

RUGGEDIZED MicroTCA - ATR

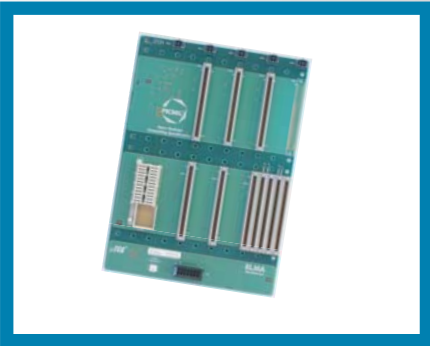


FEATURES

- MicroTCA ATR Long Enclosure
- Designed to ARINC 404A
- Structural integrity through milled front and rear panel
- Designed to meet MIL-STD 810 E
- Support for MCH Single Module - Full Size
- Support for single Power Module
 - Full Size (6 HP)
 - Extended Size (9 HP)
- ELMA high performance EMMC Cooling Unit, honeycomb filter
- Ruggedized card guides secure cards in chassis

The new MicroTCA chassis is an ARINC 404A Full-Size ATR Long Enclosure, often used in commercial and military aviation. The rugged enclosure features modified front panels that can be secured to the chassis. This provides more protection for shock and vibration. Shock absorbers/dampers can also be added to the enclosure for extra protection. Thermal management can be achieved via either convection or conduction-cooling.

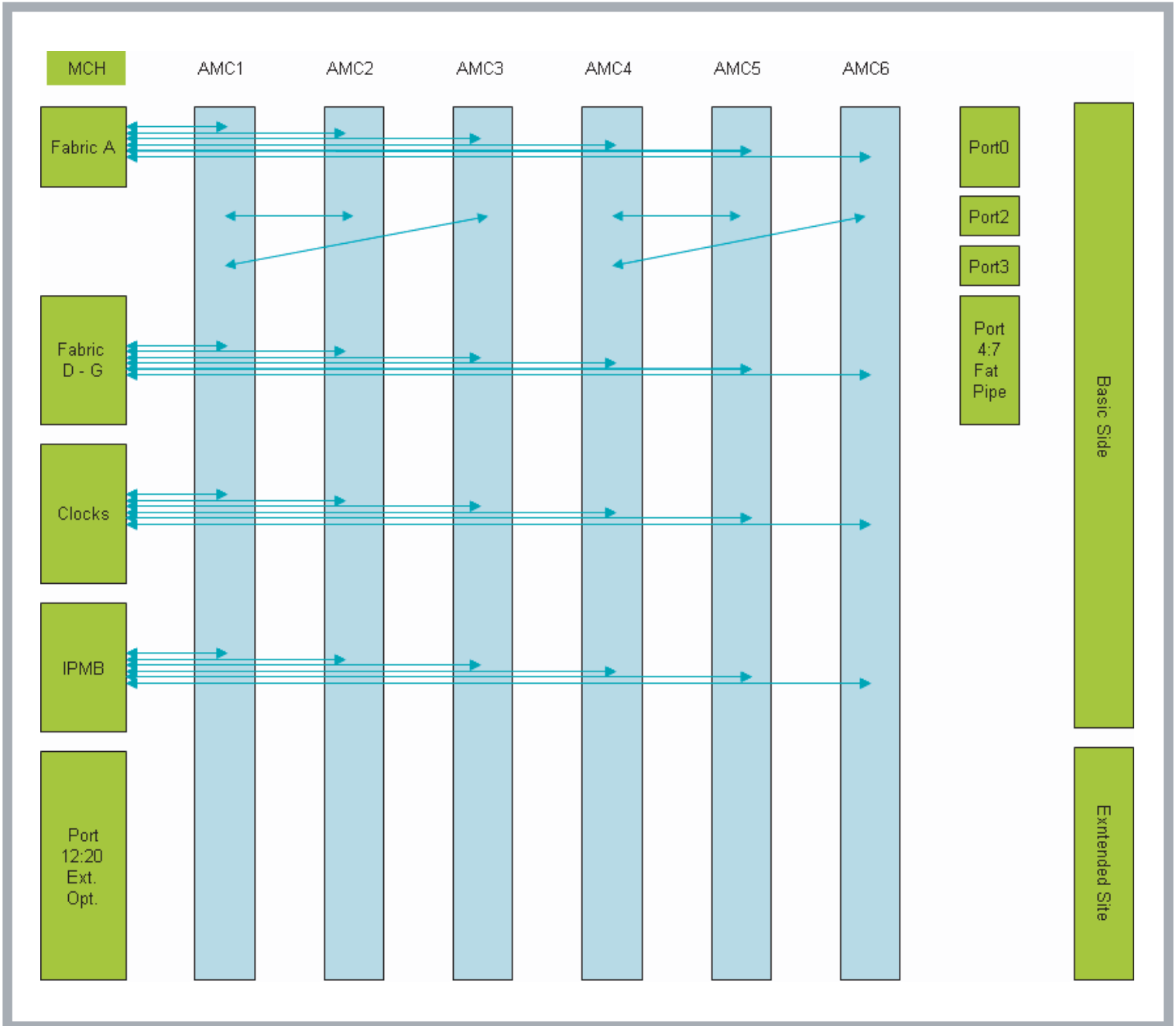
Testing shows the chassis meets the MIL-STD-810E shock/vibration requirements and MIL-STD-461 for electromagnetic interference. The vibration and shock tests were performed according to the IEC 61587-1 and VITA 47 standards in six axes (three spatial axes, with the system rotated by 180 degrees for each axis). A full 35-page test report is available upon request.



MicroTCA SINGLE STAR BACKPLANE

- Single star topology
- 6 AMC, 1 MCH, 1 PM slots
- Optimized High-Speed routing
- PCI-Express, Serial Rapid I/O and 10GBase-BX4 Switching support
- Direct SATA / SAS connections
- 3 synchronization clock networks
- High-speed compression-mount connectors

Block Diagram



Order Information

Description	Model Number
Ruggedized MicroTCA - ATR	TBD-001