

Rugged VME64x integrated chassis

REMOTE SATELLITE

CHASSIS

This innovative solution combines custom and off the shelf hardware and software in one package under one part number.

- Custom 4U, 7 slot pop-up chassis for easy access
- Custom 6U VME64 backplane
- Rugged Intel® Processor running Linux
- Multiple PMC based A/D, D/A converters
- Custom front panel removable drive bay
- Removable front panel power
- Tailored I/O transition schemes
- Fully shielded / gasketed for maximum protection against EMI
- Custom rear transition module with audio inputs



Requirements

Provide a rugged box level solution for ground and air mission deployment with protection against EMI. Allow fast and easy front panel maintenance for all major components. Provide reliable high bandwidth hard drive storage in a fully integrated and tested package.

Solution

A 4U low profile box with dual front panel hot-swappable power supplies and a shock isolated front panel removable hard drive. An internal 6U chassis mounted on vertical slides allows front access to the chassis payload containing a dual core SBC with A/D converters and custom rear I/O board. Designed to meet MILSTD-461, 810F and 710.

Benefits

This fully integrated sub-system solution brings ease of maintenance and rugged construction to a low profile chassis. The innovative slide mount chassis and front panel accessible drive bay and power supply modules reduce maintenance downtime and cost. Fully tested and ready for service, this unit serves in both air and ground applications and is capable of high bandwidth data recording.