

# 5-Slot COTS AdvancedTCA Laboratory-Grade Enclosure

*Designed for Commercial, Industrial, and Prototyping/Development Use, Sturdy and Efficient*

**LCR Embedded Systems' 5-Slot AdvancedTCA Enclosure** designed for commercial, industrial, and prototype use. Designed in accordance with PICMG 3.0, this chassis is sturdy, efficient, and ready to support your most demanding development and laboratory applications.

- Rackmount or bench-top, front handles
- Accepts two Pigeon Point or Vadatech shelf managers which can be supplied with the chassis
- Indicator panel provides critical major/minor alarms and reset
- Fan tray and air filter easily removed for maintenance and repair



## Backplane

Form factor: AdvancedTCA  
Card size: Standard AdvancedTCA

Fabric/Profile: Full mesh bussed IPMB  
Slot count: 5 (2 Hub, 3 Node)

## Power

Input power: -48 VDC, 100 A A/B bus  
Filtering: None

Breaker/Fuse: 100 A circuit breaker per bus  
Intelligence: N/A

## Thermal

Method: Convection, side to side  
Fans: 2 Front, 224 CFM each; 2 RTM, 23 CFM each

Watts per slot: 200W  
Monitoring/Control: Monitoring, Control via PWM

## Interface

I/O: IPMI  
Switches: ON/OFF/RESET

Indicators: Critical, Major, Minor

## Physical

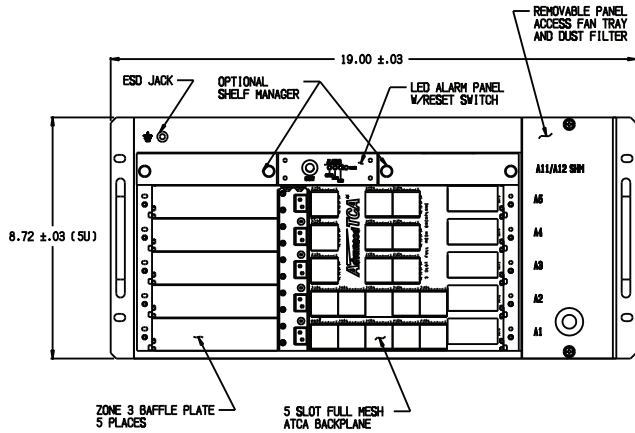
HWD: 8.75" x 19" x 15.7"  
Weight: 18.5 lb  
Materials: Aluminum frame

Construction: Bolted sheet metal  
Finish: Exterior Surfaces powdercoat, Interior Surfaces chemical conversion IAW MIL-DTL-5541 Type II Class 3

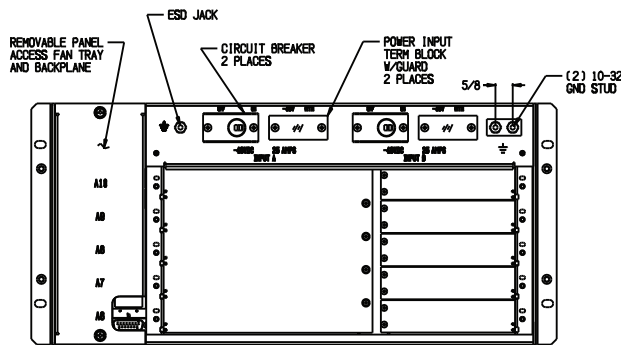
## Environmental

Temperature: 0C to 50C (op), -20C to 70C (st)  
Humidity: 5-95% (op), 10-95% (st)  
Altitude: 6,000 ft

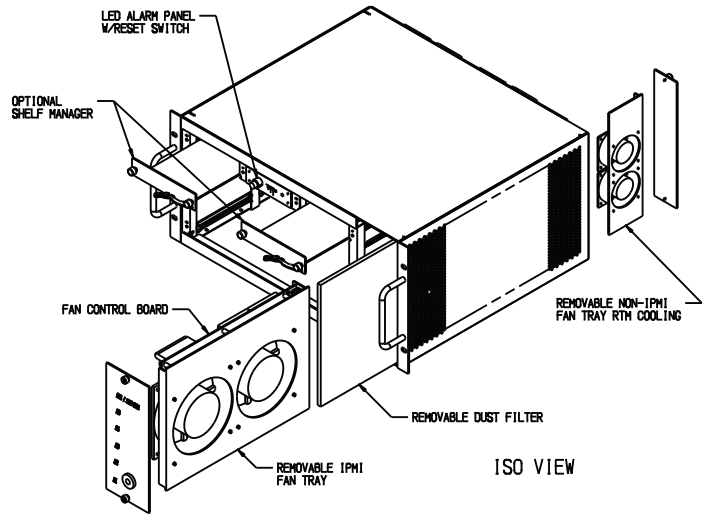
Shock: 8Gs @ 11ms  
Vibration: 1.0 Gs @ 10-330 Hz



**FRONT VIEW**



**REAR VIEW**



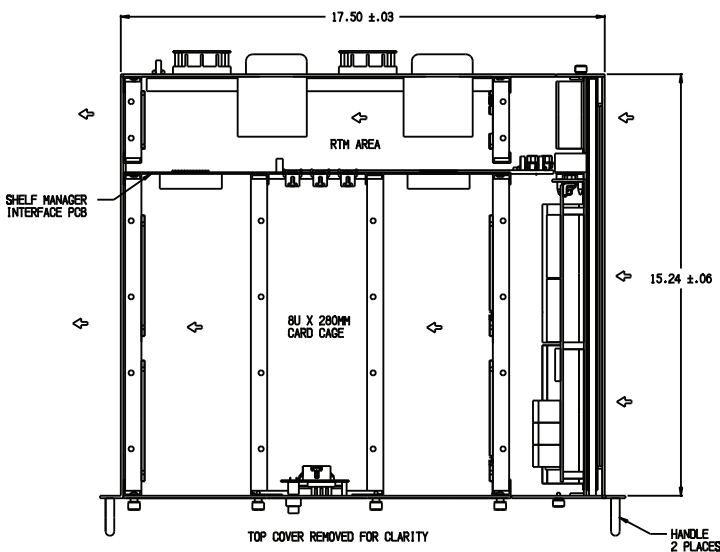
**ISOMETRIC VIEW**

- **Shelf/Chassis Management:** Pigeon Point or Vadatech based shelf manager

- **Options:** Rackmount slides, conformal coating

- **Customizations:** Slot count, cooling orientation, MIL-STD-461

- **Accessories:** Air filter, filler panels



**TOP VIEW**