



EMBEDDED
SYSTEMS, INC.

™

5-Slot COTS AdvancedTCA Enclosure

The 5-Slot AdvancedTCA chassis designed for commercial, industrial, and prototype use. Designed in accordance with PICMG 3.0 Rev2, this chassis is sturdy, efficient, and ready to support your most demanding development and laboratory applications.

- Rackmount or bench-top, front handles
- Accepts two shelf managers which can be supplied with the chassis
- Indicator panel provides critical major/minor alarms and reset
- Fan tray 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

COOLING

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

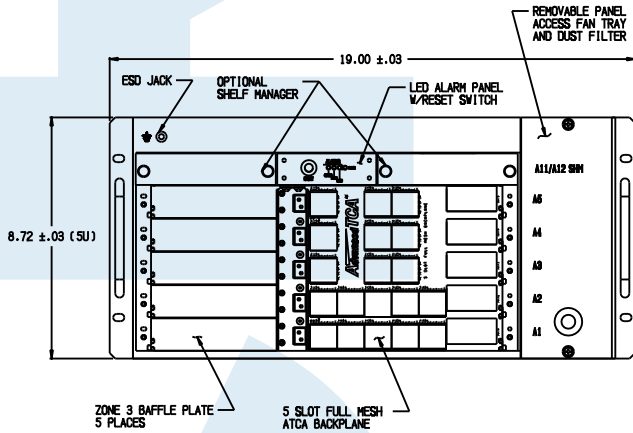
Temperature: 0C to 50C (op), -20C to 70C (st)

Humidity: 5-95% (op), 10-95% (st)

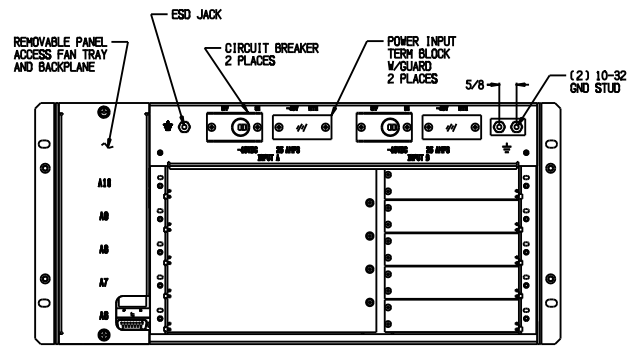
Altitude: 6,000 ft

Shock: 8Gs @ 11ms

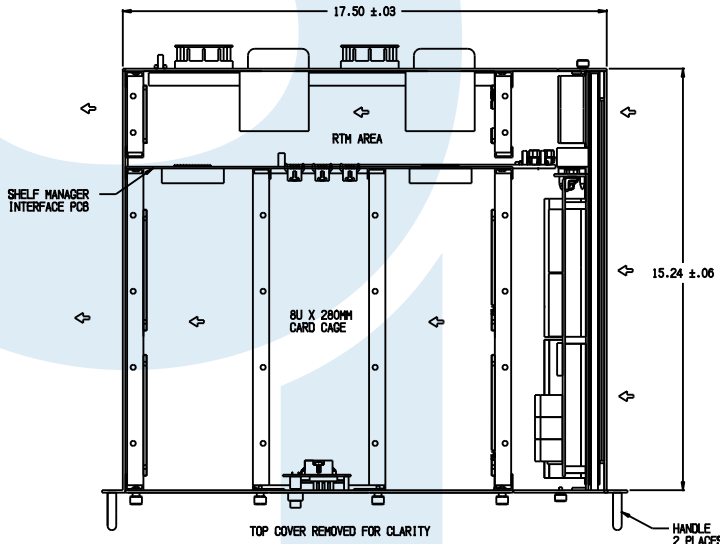
Vibration: 1.0 Gs @ 10-330 Hz



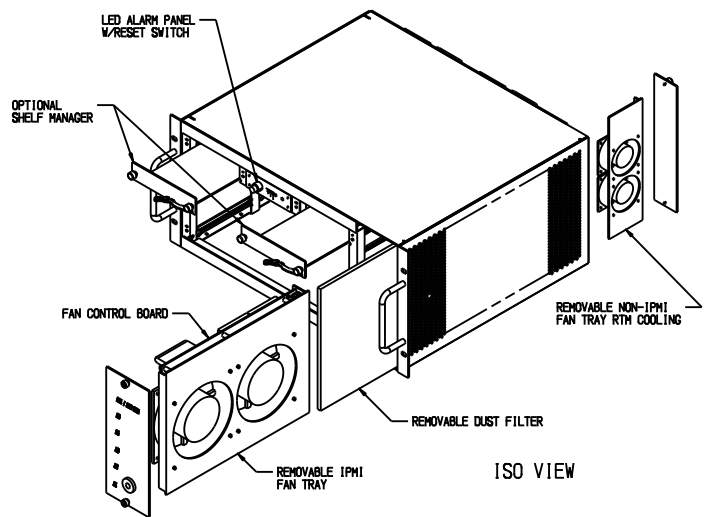
FRONT VIEW



REAR VIEW



TOP VIEW



ISOMETRIC VIEW

LCR EMBEDDED SYSTEMS OFFERS

Rugged Design Options
 Custom Form Factors
 Custom Backplanes and Electronics
 Custom Standards
 System Integration

Complete Testing Capabilities
 Advanced Design Capabilities
 Retrofit/Upgrade to 3rd Party Equipment
 Complete Manufacturing Services Located in the USA

LCR Embedded Systems provides a limited, one-year warranty on its products. The complete warranty plus other terms and conditions of sale are available upon request. Contact your area LCR Embedded Systems Sales Representative for more information.

