3U VPX ARINC 404 Enclosure with Superior Cooling

High Customizable, Modular Solution, Ideal for Small Form Factor Environments, Applications

LCR Embedded Systems’ VITA 46.0 and 48.2-compliant 3U VPX ARINC 404 Enclosure provides a highly customizable, modular solution offering superior cooling, ideal for small form factor needs such as tracked vehicles and aircraft.

- Low noise profile, sealed exterior for harsh computing environments
- ARINC 404/600 hold-down hooks in front, interface for hold-down pins in rear

Backplane
- Form factor: VPX
- Card size: 3U VITA 48.2
- Fabric/Profile: Profile BKP3-DIO5-15.2.13-3
- Slot count: 5

Power *
- Input power: +28 VDC
- Output power: 5/3.3/±12 V
- Filtering: Input filtering IAW MIL-STD-461F
- Breaker/Fuse: Input protection IAW MIL-STD-704F and MIL-STD-1275B
- Intelligence: Available as option

Thermal
- Method: Convection over conduction, front to back
- Fans: 4 Rear, 76 CFM each
- Watts per slot: 100W
- Monitoring/Control: Control via PWM, monitoring

Interface
- I/O: As needed
- Switches: As needed
- Indicators: None
- Displays: None

Physical
- HWD: 7.62” x 7.5” x 12.62”
- Weight: 24 lb
- Materials: Aluminum frame
- Finish: Chemical conversion, IAW MIL-DTL-5541, Type II, Class 3
- Construction: Bolted machined and gasketed

Environmental
- Temperature: -10C to 70C (op), -20C to 75C (st)
- Humidity: 15-90% (op/st)
- Altitude: 15,000 ft
- Shock: 20Gs @ 11ms MIL-STD-810E (Method 516.4)
- Vibration: 1.0Gs/Hz 10 to 2000 Hz MIL-STD-810E (Method 514.4)
- EMI: MIL-STD-461F
- IP Rating: IP67

* With optional power supply.