LCR EMBEDDED SYSTEMS, INC.®

6U Universal Enclosure for Open Standards Development

Able to Support 6U VME/VPX, CompactPCI, or Custom Backplanes

LCR Embedded Systems' 6U Universal Chassis/Backplane Assembly provides an ideal, customizable solution for open-standards-based application development. Able to support 6U VPX, VME, CompactPCI, or custom backplanes, the enclosure provides between 2 and 21 slots depending on the specific standard.

- Rackmount or bench top with front handles
- Intelligent power and thermal management
- Bolted sheet metal construction with aluminum frame
- Available in a variety of form factors

Backplane

Form factor: VPX, VME, CompactPCI, Custom
Card size: 6U x 160mm
Fabric/Profile: BKP6-CEN16-11.2.2-3 (shown)
Slot count: 2-21

Power

Input power: 85-264 VAC, 1/3 phase, 47-440 Hz
Optional DC input
Output power: 5/3.3/±12 V
Filtering: Input line filter
Breaker/Fuse: 15 A circuit breaker
Intelligence: I2C monitoring

Thermal

Method: Convection, forced air, bottom to top
Fans: 4 Front, 171 CFM each
Watts per slot: 100W
Monitoring/Control: Local/Remote status via SNMP

Interface

I/O: As needed
Switches: ON/OFF/RESET
Indicators: Power, System Status Interconnect
Displays: As needed

Physical

HWD: 7U x 19" x 25.3"
Weight: 35 lb
Materials: Aluminum frame
Construction: Bolted sheet metal
Finish: Chemical conversion, IAW MIL-DTL-5541, Type II, Class 3
Slides: Provisions for general devices slide C-874

Environmental

Temperature: 0C to 50C (op), -20C to 70C (st)
Humidity: 10-95% (op/st)
Altitude: 6,000 ft
Shock: 8Gs @ 11ms
Vibration: 1.0 Gs/Hz 10 to 330 Hz

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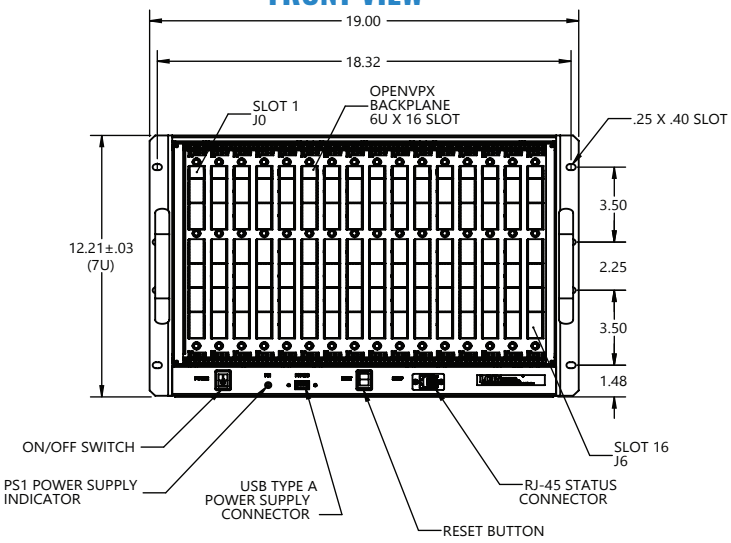
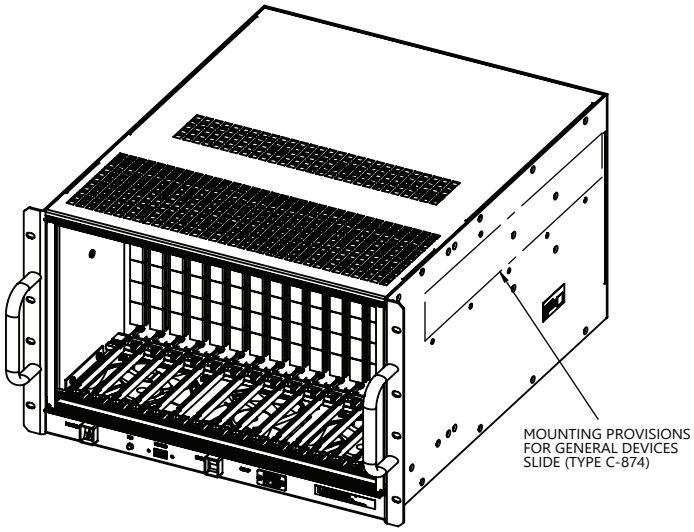
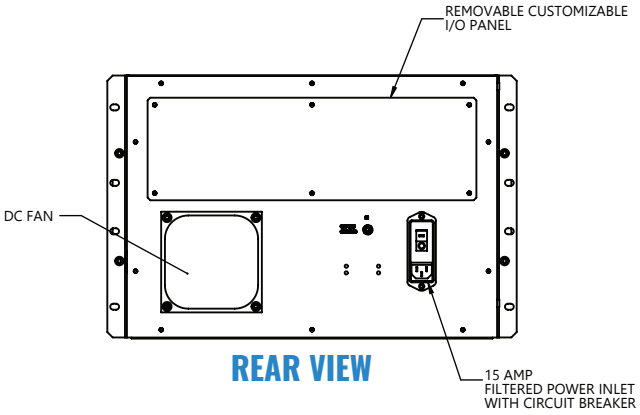
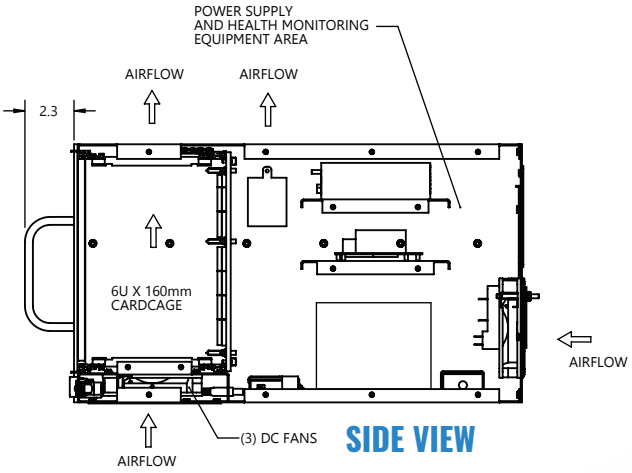
FRONT VIEW



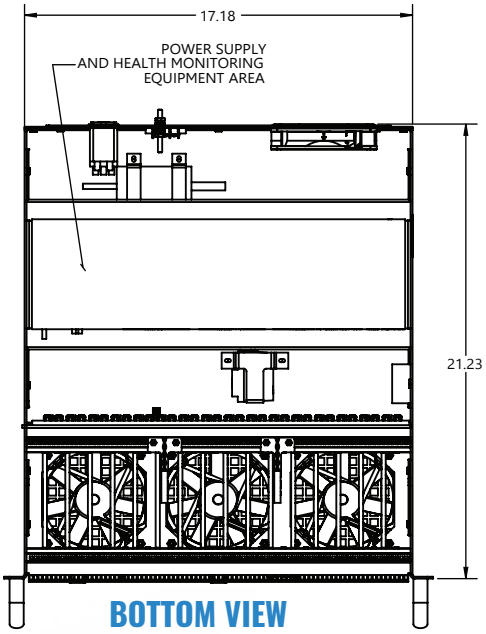




REAR VIEW



SIDE VIEW



BOTTOM VIEW