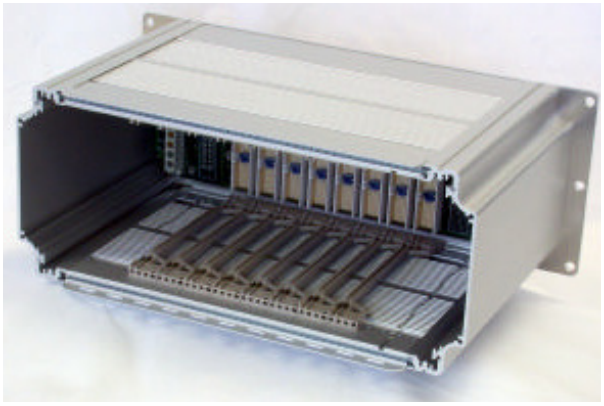
NovaTech®
Bitronics ◆ D/3 ◆ Orion

Key Features

- 8 CompactPCI™ standard slots
- 33 MHz cPCI bus
- Surface or Rack Mount
- Rugged aluminum package
- Supports hot swap

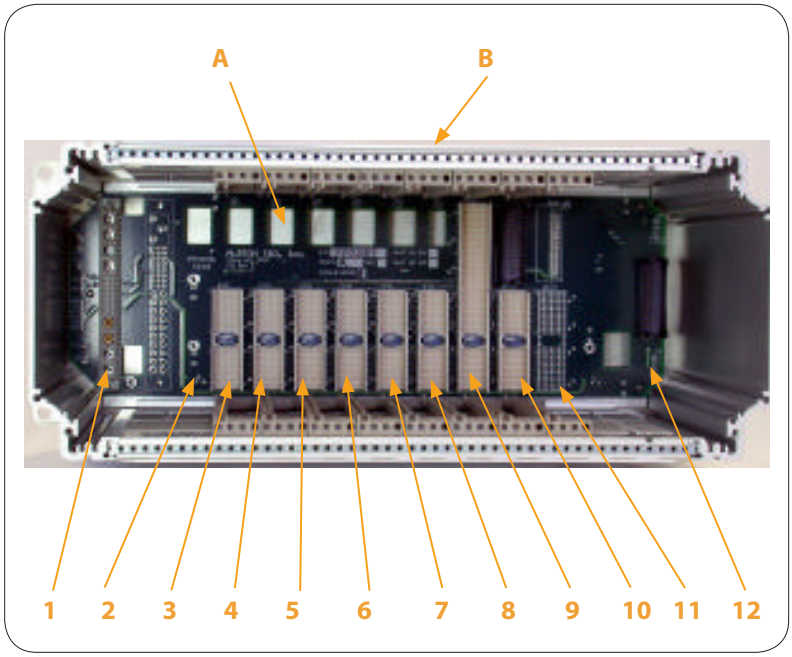
The C12A8 Chassis is a rugged aluminium package that has twelve bays with eight bays equipped with Compact-PCI bus. The expansion bays are fully compatible, both electrically and mechanically, with cPCI standards. The chassis can be surface-mounted as well as mounted on a 19" rack mounting plate. The chassis has specific configuration rules. The backplane supports hot swap specification PICMG 2.1 R1.0.

C12A8 Chassis



Configuration Rules

The minimum configuration is a Power Supply in Bay #1 and a Host processor Module in Bay #9. Bay #10 has a combination CompactPCI connector and an analog signal processor. The analog signal connector is mated to a similar connector in Bay #12. Bay #3, Bay #4, Bay #5, Bay #6, Bay #7 and Bay #8 are each a cPCI expansion Bay.



Bays/Chassis

1. Power supply Bay with standard cPCI Power Connector
2. Blank slot (can be covered with double-wide P31 module in slot 3)
3. cPCI expansion bay
4. cPCI expansion bay
5. cPCI expansion bay
6. cPCI expansion bay
7. cPCI expansion bay
8. cPCI expansion bay
9. Host Processor Bay with cPCI connector and 24-pin connector for analog signals
10. Analog Processor bay with cPCI connector and 24-pin connector for analog signals
11. Blank slot (can be used as cPCI expansion bay if no analog processor is used in Bay #10)
12. Signal input Bay with 24-pin connector for analog signals.

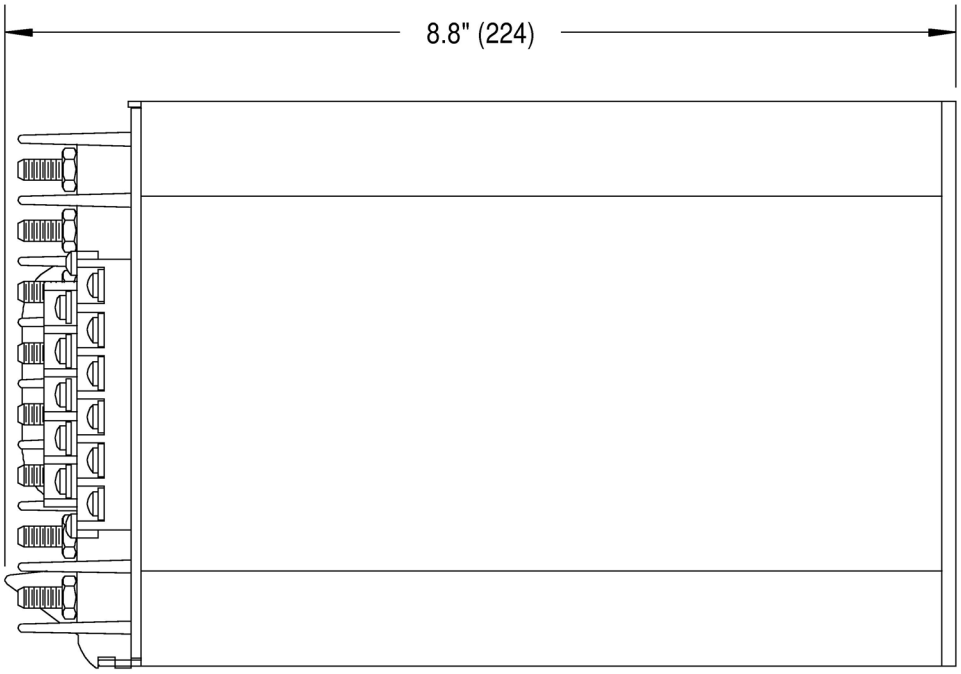
Features

A. Backplane is an eight-layer board and contains a 5V, 33 MHz cPCI bus with 2mm, hard metric connectors
B. Rugged aluminum housing

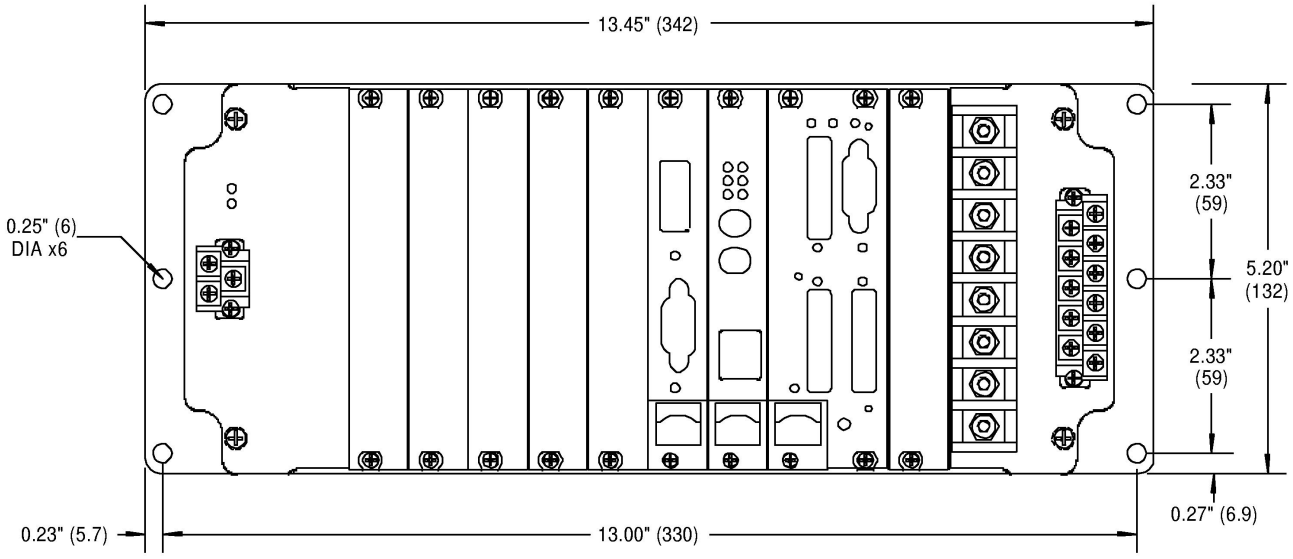
Environmental

- -40°C to +70°C operating temperature
- 0-95% non-condensing relative humidity
- IC III (Distribution Level), Pollution Degree 2 Installation category

Outline dimensions



Maintain 1-3/4" minimum clearance top and bottom



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