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Rack Mount Enclosure: RME-5849 Series

Dawn VME Products

Another Performance Design from the Team at Dawn

RackMount/TableTop Multi-Platform 3U Enclosure

Featuring 3U cPCI, VME64x, VXS, and VPX Backplanes

Features

- Choice of Backplanes
- 21-Slot, 3Ux160MM, 1101.10 card cage
- I/O accessible through rear TM cardcage
- Front mounted power switch
- 1 to 4, 350 Watt plug-in power supply
- 3ea, RuSH controlled 120+ CFM Fans
- Air In lower front, Air out upper rear
- Front Panel RuSH Display
- Removable Table top rubber feet
- Fully assembled, wired and tested



Overview

Dawn's Model 5849 Multi-Platform 1101.10 compatible Rack Mount Enclosure is the ideal choice where small size, light weight, portability, basic features and low cost are desired. The closed frame, plug and play, robust design provides all that's needed and then some for getting your board set up and running in record time. This chassis with its removable rubber feet is equally at home on the bench as it is mounted in the rack.

The chassis features three RuSH controlled high-performance cooling fans, front mounted main power switch, removable rubber feet, attractive air intake and exhaust grilles, front carrying handles, and Dawn's Internet enabled RuSH monitoring and control technology. Within the 11.75" depth, a front 3U x 160MM, card cage and rear 3U x 80MM transition module card are provided to fully support your boards and I/O. Four plug-in power supply slots provide a choice of up to 1000 watts along with current sharing and N+1 redundancy. The backplane may be cPCI 2.1, cPCI 2.16, or Vita 46 (VPX). Backplane types may be mixed and power can be wired separate or common.

Technical Specification

Mechanical

Compatibility: ANSI/VITA 1-1994 and IEEE 1014, IEEE 1101.10
Material: Aluminum 5052-H32/6061-T6
Finish: Brushed 220 Grit,
Optional Finish: At extra cost, Painted to user choice color.
Plating: Clear Alodine 1500
Dimensions: About 6U (10.5")H x 19.0"W x 11.75" D
Weight: Estimated at 12lbs.

Electrical

Maximum Power Draw Per Slot: About 60 Watts
Total Power not to Exceed 300W
Power Supply Input: 90-135VAC, 47-63Hz
Power Supply Output: +3.3V/20A, +5V/30A, +12V/16A, -12V/.8A

Environmental

Storage Temperature: -20^{0}C to +85^{0}C
Operating Temperature: 0^{0}C to +50^{0}C
Humidity: <95% non-condensing

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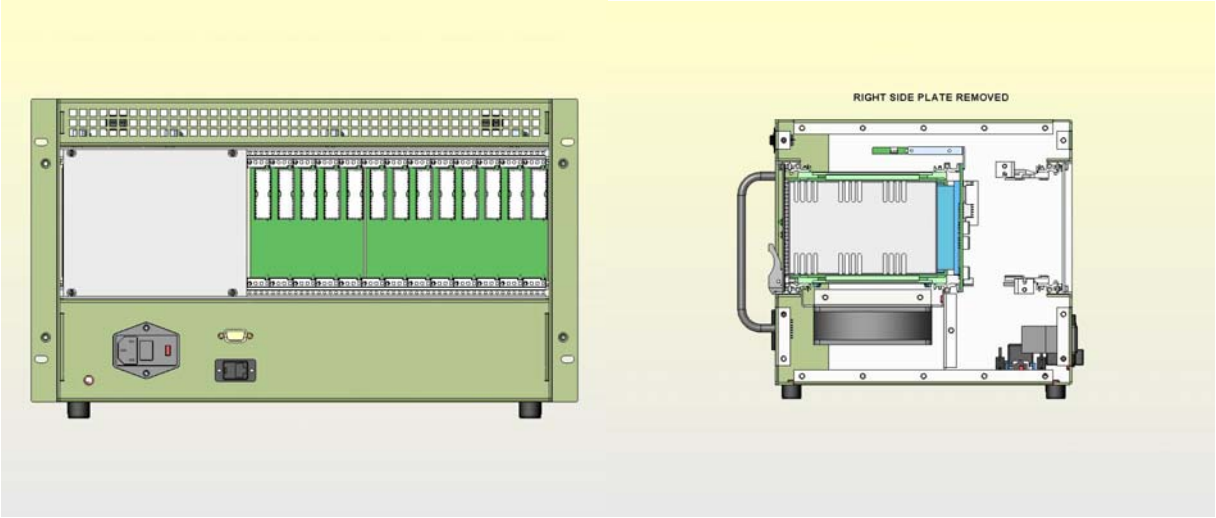
Ordering Information

P/N 11-1015849 - X X XX

System Power
300W

Backplane
VME
VME64x
VITA 41 (VXS)
VITA 46 (VPX)

Enclosure Dimensions



Rear View **Side View**

Other Products from Dawn:

- Card cages for commercial, aerospace and Military applications
- Enclosure 3D solid model design and production from commercial to full rugged military
- Custom and Standard product PCB design, layout, production
- *RuSH*™ Rugged system health monitor
- Backplanes for cPCI 2.1, cPCI 2.16, VME, VME64x, VXS, VPX, CUSTOM, Build to Print
- Powered Enclosures for Development, Prototype, Production, Deployment
- Prototype Boards, Extender Boards, Form Factor Extenders
- Front Panels, Filler Panels, Custom Panels, Build to Print Panels
- Build to print machining, fabrication and assembly

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