

Rugged Chassis (RC) Range



RCC Chassis

Providing rugged rack mount solutions for naval, vetronic and avionic applications, the RC series combine versatility with the program security which COTS affords.

RCH-xxxV Horizontal mount card cage for minimum height (5U)

RCC-xxxV Compact 8U design with maximum VME space

RC-xxxV Up to 20 VMEbus slots and full peripheral capability

All supported by Radstone board level hardware and software integration services.

Key Features

- 19" rack mount chassis for air cooled VME boards
- 3 style options balance compactness with internal space
- -40°C to +55°C operation with Radstone Ruggedization Level 3 cards
- Heater options for low temperature operation
- Rugged conformally coated VME64 Extensions backplanes with P0 options 3, 4, 5, 8, 10, 15 or 20 slots
- High performance EMC solution with alochrom finish internally and at all mating serfaces, honeycomb filters at air intake / exhaust apertures and fluorosilicone gaskets as required
- High output Power Supplies with DC or autoranging AC input options
- Shuttelized and Redundant PSU options
- Recessed internal VMEbus card cage (shock mounted on RC and RCC models) with ruggedized aluminium card guides
- Complete P2 and P0 access for I/O wiring and rugged transition modules
- State of the art thermal management for long term reliability with high powered cards
- High altitude fan options
- 3mm sheet aluminium with patented "crush fold" seams for added strength without weight and improved aesthetics
- Front panel to include:
 - Power on indicator
 - On/Off switch with protective bracket (off to LHS, on to RHS)
 - Reset switch with protective bracket
 - +5v, +12v, -12v indicators
- Rear I/O connector panel
- Limited toxicity cabling
- Optional ESS testing and Acceptance Testing Programs (ATP)
- Partial or full customization based upon proven subsystems



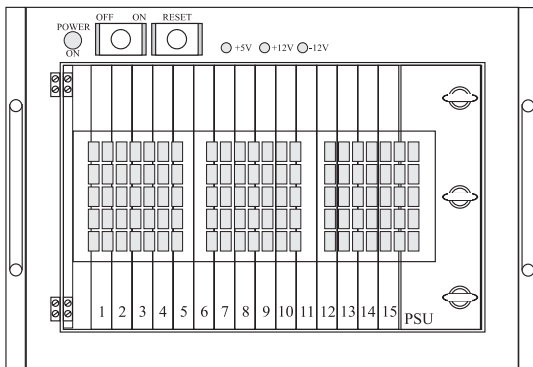
RADSTONE
TECHNOLOGY

RCC-xxxV

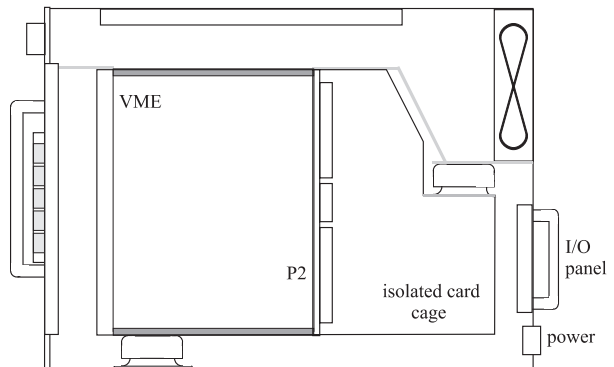


- 8U high, 19" rack mounting 480mm deep
- 15 slot VME64 eXtensions backplane
- Evacuation cooling with front door air intake and rear exhaust
- Welded seams for added strength
- PSU 400watts, 5V@40A, +12V@8A, -12V@8A
- 28 VDC PSU option
- 90-135/180-264 VAC, 1 phase, 47-440 Hz PSU option

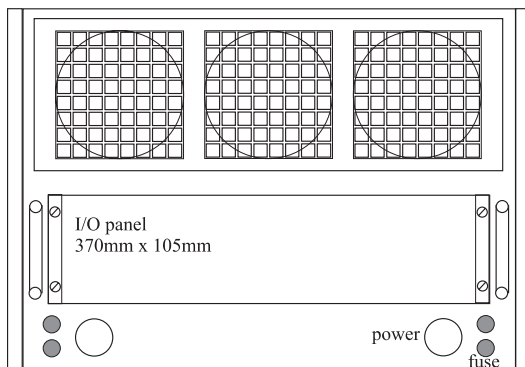
RCC-xxxV front view



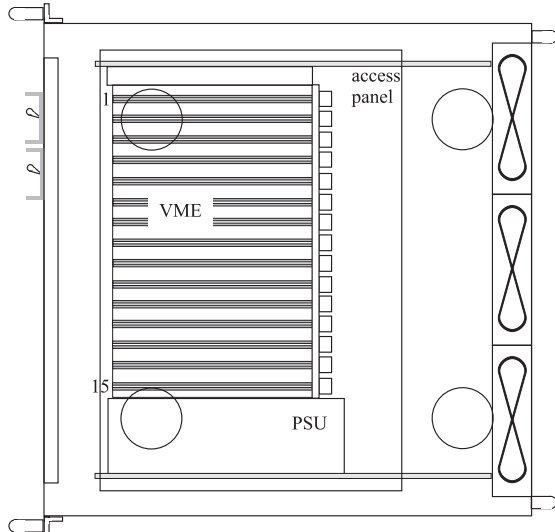
RCC-xxxV side view



RCC-xxxV rear view



RCC-xxxV viewed from above

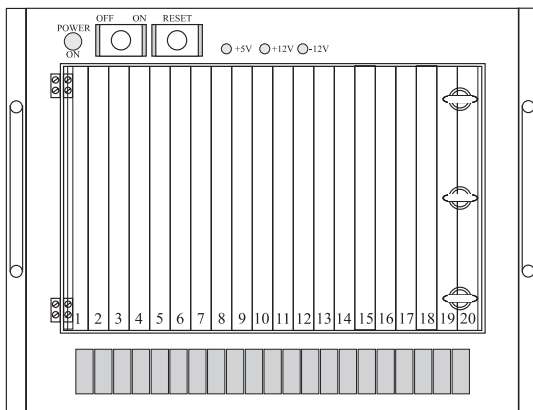


RC-xxxV

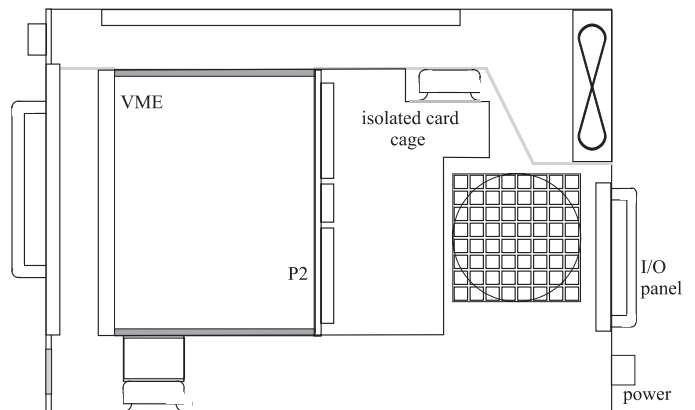


- 9U high, 19" rack mounting 560mm deep
- 20 slot VME64 eXtensions backplane
- Evacuation cooling with front air intake and rear exhaust
- Welded seams for added strength
- PSU 300watts, 5V@40A, +12V@4A, -12V@4A
- 28 VDC PSU option
- 85-264 VAC, 1 phase, 47-440 Hz PSU option

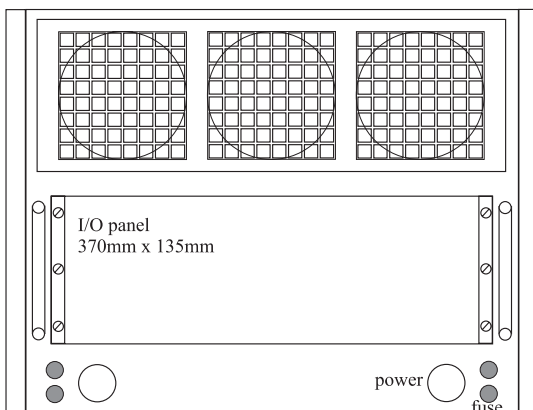
RC-xxxV front view



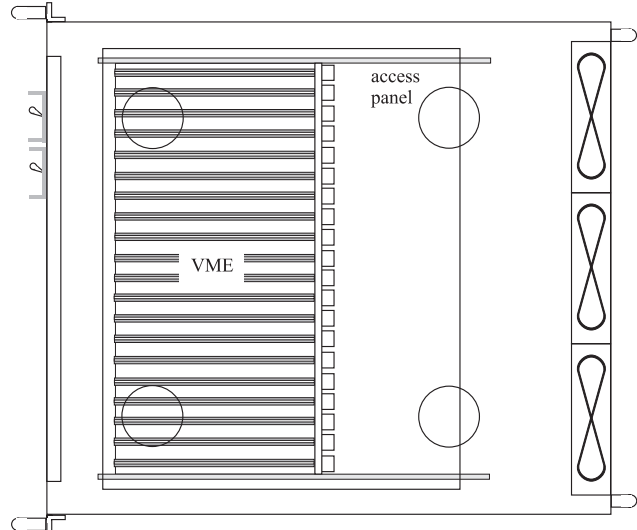
RC-xxxV side view



RC-xxxV rear view



RC-xxxV viewed from above



RCH-xxxV



- 5U high, 19" rack mounting horizontal chassis, 525mm deep
- 5 slot VME64 eXtensions backplane
- Shuttelized "plug in" front accessible PSU and fan trays for low MTTR
- Space above card cage for peripheral mounting
- Air inlet filter
- PSU 250watts, 5V@30A, +12V@4A, -12V@4A
- 28 VDC PSU option
- 85-264/VAC, 1 phase, 47-440 Hz PSU option

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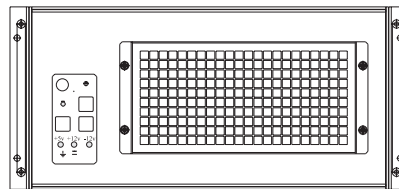
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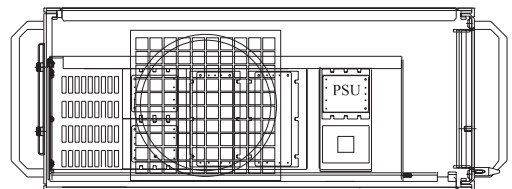
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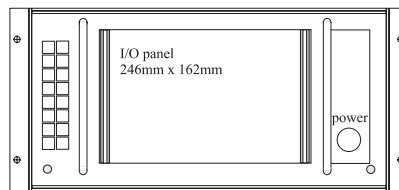
RCH-xxxV front view



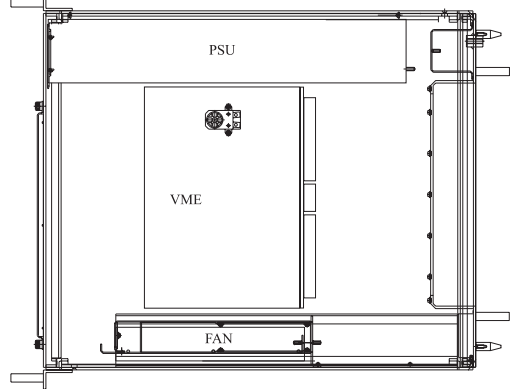
RCH-xxxV side view



RCH-xxxV rear view



RCH-xxxV viewed from above



Ordering Information

RCH-xxxV
 RCC-xxxV
 RC-xxxV

Where xxx = 301 for 28Vdc primary power, -40°C/+55°C with L3 cards
 xxx = 302 for 115Vac, single phase 47 to 440Hz primary power, -40°C/+55°C with L3 cards



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