



# RME1221 12U RACKMOUNT ENCLOSURE

DATASHEET

## FEATURES

- Fully compliant to NEBS Level 3
- Dual-redundant hot swappable fan trays
- High-quality ruggedized construction
- Cooling for up to 100 W per slot
- AC and DC line inputs available
- Supports full 21-slot backplane with rear transition slots
- CompactPCI® (cPCI), VME64x, VME and VXS backplanes available
- IEEE 1101.10/11 compliant card cage
- Pac-2000® modular design
- Up to 1800 W pluggable power
- Advanced cooling design:
  - Patented CoolSlot® air deflecting card guides optimize airflow
  - Airflow: lower front air intake/top rear exhaust
  - 450 LFM average airflow (thermal report available)
- Supports operation with any fan faulted at 55 °C and 1800 m per NEBS requirements
- Optional fan speed controller reduces acoustic noise and provides locked rotor failure detection and LED
- NEBS compliant air filter
- Optional mid-mount EIA rails for telecom 19" rack or 23" rack applications
- Front panel power switch (DC enable), front reset switch, handles
- Supports optional front accessible peripheral devices



## TECHNOLOGY OVERVIEW

PHYSICAL	
Width	17.38" (441.5 mm)
Height	20.97" (532.6 mm)
Depth	21" (533.4 mm), excluding handles
Weight	50 lbs (22.7 kg)
CONSTRUCTION	
Extrusions	6063-T6 Aluminum, precision grade with clear iridite plating
Card Guides	Molded plastic, Noryl N190X Black (Red for cPCI system slot), UL94-V0
Sideplates	.090" thick aluminium, 5052-H32 with clear iridite plating
Tapped Strips	Carbon Steel bar stock with zinc plating and supplementary chromate treatment
ESD Ground Clip	Beryllium Copper, Alloy C17400, 1/2 HT, with Bright Tin plating/MIL-T-10727
ENVIRONMENTAL	
Shock/Vibration	<ul style="list-style-type: none"> <li>• MIL-S-901</li> <li>• 15 g @ 40 ms</li> <li>• 30 g @ 20 ms</li> <li>• 100 g @ 5 ms</li> <li>• MIL-STD-167-1</li> <li>• Telcordia GR-63-CORE (NEBS)</li> </ul>
Safety Agencies	Designed to meet UL60950; CSA 22.2 #234; TÜV EN60950
Flammability Rating	UL94-V0
EMC	Meets FCC Part 15, Subpart J, Class A; CISPR 22, Class A, Telcordia GR-1089-CORE (NEBS)
Earthing	ESD ground clip designed to comply with the earthing requirements of IEEE 1101.11 Section 15, IEC 60950 Section 2, and PICMG 2.5 R1.0

Table continued on next page

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**TABLE 1: TECHNOLOGY OVERVIEW** (continued from previous page)

AC INPUT	
20 A AC Line Input	<ul style="list-style-type: none"><li>• 20 A line cord (U.S. 110 V style) provided</li><li>• Rear line voltage inlet connector, RFI line filter, rear circuit breaker</li><li>• AC Input: 100-120 VAC</li></ul>
DC INPUT	
50 A Dual DC Line Input	<ul style="list-style-type: none"><li>• For hot swap DC power supply configuration only</li><li>• x2 rear filtered terminal blocks</li><li>• Integral OR-ing diodes for 48 VDC inputs</li><li>• RFI line filter</li><li>• DC Input: 48 VDC nominal, 36-72 VDC range</li><li>• Dual ground studs for double lug ground terminal</li></ul>

### WARRANTY

This product has a one year warranty.

### CONTACT INFORMATION

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