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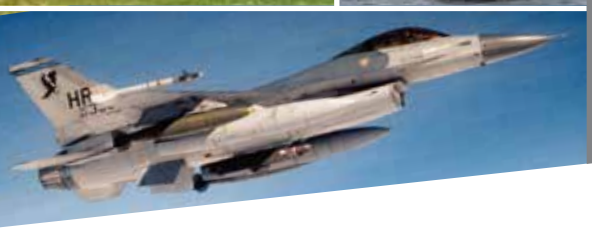
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Fact Sheet

Hybricon® RME21 10U Enclosure



Features

- High-quality ruggedized construction
- Cooling for up to 85 W per slot AC and DC line inputs available
- Supports full 21-slot backplane with unobstructed rear transition slots
- Custom configurations and system integration services available
- Pac-2000® modular design
- 19" rackmount enclosure
- CompactPCI® (cPCI), VME64x, and VME backplanes
- Patented CoolSlot® air deflecting card guides optimize air flow
- Front panel power switch (DC enable), front reset switch handles
- Supports optional front accessible peripheral
- Hot swap removable fan tray with 274 CFM cooling capacity, mounted below card cage
- 350 LFM average airflow
- Optional fan speed controller reduces acoustic noise and provides locked rotor failure detection and LED
- 15 A line cord (U.S. 220 V style) provided
- 20 A line cord (U.S. 110 V style) provided
- Rear line voltage inlet connector, RFI line filter, rear circuit breaker

Technology Overview

Physical	
Width	17.38” (441.45 mm)
Height	17.47” (443.74 mm)
Depth	21.00” (533.40 mm), excluding handles
Weight	40 lbs
Construction	
Card Cage	IEEE 1101.10/11 compliant card cage
Extrusions	6063-T6 Aluminum, precision grade with clear iridite plating
Sideplates	.090” thick aluminum, 5052-H32 with clear iridite plating
Card Guides	Molded plastic, Noryl N190X Black (Red for cPCI system slot), UL94-V0
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
Power	
Power Supply	Up to 1800 W pluggable or embedded power
DC Input	48 VDC nominal, 36-72 VDC range
Two rear filtered terminal blocks	
Integral Or-ing diodes for 48 VDC inputs	
Environmental	
Safety Agencies	Designed to meet UL60950; CSA 22.2 #234; TÜV EN60950
Shock/Vibration	MIL-S-901/MIL-STD-167-1 Telcordia GR-63-CORE (NEBS)
Flammability Rating	UL94-V0
EMI/EMC	Designed to meet FCC Part 15, Subpart J, Class A; CISPR 22, Class A
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

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Table 2: Ordering Information

Part Number: RME21-	X	X	X-	XXXX
Power Supply				
(1) = 1000 W internal embedded power supply mounted in rear (2) = 1600 W internal embedded power supply mounted in rear (3) = Wired for (3) 600 W Hot Swap front-mounted 1U high AC power supplies mounted below bottom fan tray (see Note 1) (4) = Wired for (3) 600 W Hot Swap front-mounted 1U high 48 VDC power supplies mounted below bottom fan tray (see Note 1) (5) = Wired for (3) 600 W Hot Swap front-mounted 1U high AC power supplies with I2C mounted below bottom fan tray (see Note 1) (6) = Wired for (3) 600 W Hot Swap front-mounted 1U high 48 VDC power supplies with I2C mounted below bottom fan tray (see Note 1)	X			
Power Inlet				
(A) = 20 A AC Inlet (recommended for 1000 W AC power supply configurations with 115 V line) (B) = 15 A AC Inlet (recommended for 1600 W AC power supply configurations with 220 V/240 V line) (C) = Dual 50 A DC Inlet terminal blocks (recommended for DC power supply configurations)		X		
Cooling				
(1) = Bottom 1.5U fan tray with 274 CFM high capacity fan (2) = Bottom 1.5U fan Tray with 274 CFM high capacity fans plus fan controller with speed control and fan fail LED (see Note 2)			X-	
Backplane (see Note 3)				
(CP21) = PICMG 2.16 cPCI Packet Switching backplane, 5 V, 21 slots, PICMG 2.9 IPMB to all slots, no PCI Bus, power on P1 and rear I/O on P2, 2 fabric slots, 19 node slots (see Note 4) (HP21) = PICMG 2.16 cPCI Packet Switching backplane, 5 V, 21 slots, 17 slots H.110, PICMG 2.9 IPMB to all slots, no PCI Bus, power on P1 and rear I/O on P2, 2 fabric slots, 19 node slots (see Note 4) (V021) = VME 21-slot backplane (VX21) = VME64x 21-slot backplane with J0 connectors (V721) = RACEway certified high power VITA 1.7 compliant VME64x 21-slot backplane with J0 connectors (VP21) = VITA 31.1 Gigabit Ethernet VME64x backplane, VITA 38 IPMB to all slots, 2 fabric slots, 19 node slots				XXXX

Notes:
1. Hot Swap power supplies must be ordered separately for configurations 3-6
2. Fan controller is not available with 1000 W power supply option
3. Consult factory for VME or VME64x rear transition area card guides
4. For 3.3 V add -3 to P/N

Table 3: If enclosure is configured for 1U Hot Swap power supplies (options 3-6 in Table 2), must select one or more of the following power supplies, ordered separately

Part Number	In-Rack Accessory
270-050-01	110/220 VAC input Hot Swap power supply, 1U high
270-050-02	48 VDC input Hot Swap power supply, 1U high
270-050-03	110/220 VAC input Hot Swap power supply, 1U high, I2C
270-050-04	48 VDC input Hot Swap power supply, 1U high, I2C
099-100	Blank 1U high power supply filler plate

Notes:
1. Must order a total of 3 power supplies and/or filler plates for Hot Swap configurations
2. Ensure that AC or DC type of power supply matches the type of power inlet that was selected above.
3. More than one power supply may be required per enclosure

Table 4: If enclosure is ***not*** configured for 1U Hot Swap power supplies (options 1-2 in Table 2), must select one or more of the following power supplies, ordered separately

Part Number	In-Rack Accessory
095-322-0611	1U blank filler plate-entire chassis width
099-099	1U peripheral mount unit supporting two 3.5” drives and one 5.25” drive

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