

SRME 4U Enclosures

www.hybricon.com



Product Highlights:

- High quality construction
- Superior cooling for low profile design, up to 80 watts per slot
- AC and DC line inputs available
- Custom configurations and integration services available

Product Features:

- 4U, 19 Inch rack-mount enclosure
- Supports up to 8 slots
- CompactPCI®, VME64x and VME backplanes available
- IEEE 1101.10 / 11 compliant card cage
- Pac-2000® modular design
- Advanced cooling design:
 - Patented CoolSlot® air deflecting card guides optimize airflow
 - Hot swap removable side fan tray with high performance DC fans
 - Side-to-side airflow path
 - Cooling of both front cards and rear transition cards
- Thermal simulation of enclosure (thermal report available)
 - 10.4 CFM (600 LFM) per front slot average, sufficient to cool 1 to 3 power supplies and 80W per front slot
 - 6 CFM (500 LFM) per rear transition card; cools 50W per slot
- Supports optional in-rack peripheral devices

Specifications:

Physical

- Width: 17.52" (445.0 mm)
- Height: 4U (6.97")
- Depth: 11.96" (303.8 mm)
- Weight: 15 lbs.*
- Finish: Black powder coat paint

Construction:

- TOP & BOTTOM: .090" thick aluminum, 5052-H32 with black paint
- CARD GUIDES: Molded plastic, Noryl N190X Black (Red for CompactPCI 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

Environmental

- Temperature Range: 0°C to 40°C
- Flammability rating: UL94-V0
- Safety Agencies: Designed to meet UL60950; CSA 22.2 #234; TÜV EN60950
- EMC: Designed to meet FCC Part 15, Subpart J, Class A; CISPR 22, Class A. Standard unit designed for EMI containment of frequencies up to 250-500 MHz.
- 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

Single/Dual 10A AC Line Input

- (1) or (2) 10A Line Cord (U.S. 110V style) provided
- (1) or (2) Fused rear line voltage inlet connector with RFI line filter
- (1) or (2) Rear power switch
- AC Input: 100-240 VAC

Single/Dual DC 20A Line Input

- (1) or (2) Rear terminal block inlets (each inlet feeds separate power supply)
- Filtered rear circuit breaker
- DC Input: 48 Vdc nominal, 36-72 Vdc range

* Weight may vary depending on configuration



Hybricon Corporation
12 Willow Road,
Ayer, MA 01432
Tel: 1-877-HYBRICON
Fax: 978-772-2963
E-Mail: info@hybricon.com



CompactPCI® backplanes are compliant to the latest PICMG® specification. CompactPCI® and PICMG® are registered trademarks of the PCI Industrial Computers Manufacturers Group. Hybricon, CoolSlot, Pac2000 are registered trademarks of Hybricon Corporation. Patented CoolSlot® card guides: U.S. Patents 4,750,088 and 6,381,147

Ordering Guide: SRME 4U Enclosures

	PART NUMBER: SRME-	4	X	X	XX	1
CONFIGURATION						
4= 4U high, 6U x 8 slot card cage, 160 mm front, 80 mm rear*, 11.96" deep		4				
* Consult factory for VME or VME64x rear transition area card guides						
POWER SUPPLY	INSTALL IN SLOTS:					
1 = Wired for (1) 3U CompactPCI, Style Hot Swap power supply **	AA Slot 1-2 Front: 3U section		X			
2 = Wired for (2) 3U CompactPCI, Style Hot Swap power supplies**	AA Slot 1-4 Front: 3U section					
3 = Wired for (3) 3U CompactPCI, Style Hot Swap power supplies**	AA Slot 1-6 Front: 3U section					
5 = Embedded 350W ATX power supply	AA Rear: 3U section					
** Mounted horizontally						
Note: 3U CompactPCI, Style Hot Swap power supplies ordered separately						
POWER INLET						
1 = Single 10A AC Inlet (recommended for single or dual redundant CompactPCI Style Hot Swap Power Supply configurations). Must select this option for ATX power supply.	AA Rear: 3U section					
2 = Dual 10A AC Inlet (recommended for dual redundant CompactPCI Style Hot Swap Power Supply configurations). Not available with ATX power supply.	AA Rear: 3U section			X		
4 = Dual 20A DC inlet terminal block, includes oring diodes (recommended for DC CompactPCI Style Hot Swap Power Supply configurations). (Not available with ATX power supply)	AA Rear: 3U section					
BACKPLANE						
X8= VME64x 8-Slot	AA Slot 1-8 Front: 6U section					
V8 = VME 8-Slot	AA Slot 1-8 Front: 6U section					
C8 = CompactPCI, 5V 8-Slot Left Hand (bottom system slot)***	AA Slot 1-8 Front: 6U section				XX	
H8 = CompactPCI, 5V 8-Slot Left Hand H.110 (bottom system slot)***	AA Slot 1-8 Front: 6U section					
COOLING						
1 = Fan tray without monitoring (note: contact factory for fan tray with monitoring)						1

*** For 3.3V add -3 to the end of the Part Number

For Non-ATX Configurations, Must Select One or More of the Following Power Supplies, Ordered Separately:

COMPACTPCI STYLE HOT SWAP POWER SUPPLY	HYBRICON PART NUMBER
3U, 200 Watt AC	099-206
3U, 200 Watt DC	099-207

Note: Ensure that AC or DC type of power supply matches the type of Power Inlet that was selected above.

Note: More than one power supply may be required per enclosure

Optional In-Rack Accessories, Ordered Separately:

- 8HP (1.6") front carrier with shuttles for 2 hot pluggable SCSI SCA hard drives.
- Select from an assortment of various Peripheral Shuttles including 8HP (1.6"), 12HP (2.4"), and 16HP (3.2") wide front carriers for fixed mount of various mixes of CD/Hard Drive/Floppy Drives.
- Select from an assortment of various 3U and 6U filler panels, 3U and 6U air blockers, power cords

