

FEATURES

- High-quality construction
- Superior cooling for low profile design
- AC and DC line inputs available
- Custom configurations and integration services available
- 2U, 19" rackmount enclosure
- Supports up to four slots
- CompactPCI® (cPCI), 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 air flow
 - Hot swap removable side fan tray with DC fans
 - Side-to-side airflow path
 - Cooling of both front cards and rear transition cards
- Thermal simulation of enclosure (thermal report available)
- 315 LFM per front slot average, sufficient to cool one or two power supplies and 45 W per front slot
- Rear transition card airflow sufficient to cool >10 W per slot
- Supports optional in-rack peripheral devices



SRME 2U ENCLOSURE

DATASHEET



TABLE 1: TECHNOLOGY OVERVIEW

PHYSICAL	
Width	17.52" (445.0 mm)
Height	2U, 3.47" (88.14 mm)
Depth	11.96" (303.8 mm)
Weight	13 lbs
Finish	Black powder coat paint
CONSTRUCTION	
Top Bottom	.060" thick steel with black paint
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
ENVIRONMENTAL	
Temperature	0 to +40°C
Safety Agencies	Designed to meet UL60950; CSA 22.2 #234; TÜVEN60950
Flammability Rating	UL94-V0
EMC	<ul style="list-style-type: none"> • 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 2.5R1.0
AC INPUT	
Single/Dual 10 A AC Line Input	<ul style="list-style-type: none"> • x1 or x2 10 A line cord (U.S. 110 V style) provided • x1 or x2 Fused rear line voltage inlet connector with RFI line filter • x1 or x2 Rear power switch • AC Input: 100-240 VAC
DC INPUT	
Single/Dual DC 20 A Line Input	<ul style="list-style-type: none"> • x1 or x2 Rear terminal block inlets (each inlet feeds separate power supply) • Rear filtered terminal block • DC Input: 48 VDC nominal, 36-72 VDC range

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TABLE 2: ORDERING INFORMATION

PART NUMBER: SRME-	INSTALLATION SLOTS	2	X	X	XX	1
CONFIGURATION						
(2) = 2U high, 6U x4-slot card cage, 160 mm front, 80 mm rear (see Note 1), 11.96" deep		2				
POWER SUPPLY (SEE NOTE 2)						
(1) = Wired for x1 3U cPCI, style Hot Swap power supply (see Note 3)	1-2 front, 3U section					
(2) = Wired for x2 3U cPCI, style Hot Swap power supplies (see Note 3)	1-4 front, 3U section		X			
(4) = Embedded 150 W ATX power supply	Rear, 3U section					
(5) = Embedded 350 W ATX power supply	Rear, 3U section					
POWER INLET						
(1) = Single 10 AAC inlet, recommended for single or dual redundant cPCI style Hot Swap power supply configurations. Must select this option for ATX power supply.	Rear, 3U section					
(2) = Dual 10 AAC inlet, recommended for dual non-redundant or triple cPCI style Hot Swap power supply configurations. Not available with ATX power supply.	Rear, 3U section			X		
(3) = Single 20 ADC inlet terminal block, recommended for single DC cPCI style Hot Swap power supply configurations. Not available with ATX power supply.	Rear, 3U section					
(4) = Dual 20 ADC inlet terminal block, recommended for dual and triple DC cPCI style Hot Swap power supply configurations. Not available with ATX power supply.	Rear, 3U section					
BACKPLANE						
(V3) = VME 3-slot	1-3 front: 6U section					
(C4) = cPCI, 5 V 4-slot left hand (bottom system slot)***	1-4 front: 6U section				XX	
(X4) = VME64x 4-slot	1-4 front: 6U section					
(H4) = cPCI, 5 V 4-slot left hand H.110 (bottom system slot)***	1-4 front: 6U section					
COOLING						
(1) = Fan tray without monitoring, contact factory for fan tray with monitoring						X

Notes:

1. Consult factory for VME or VME64x rear transition area card guides
2. 3U cPCI, Style Hot Swap power supplies ordered separately
3. Mounted horizontally

WARRANTY

This product has a one year warranty.

CONTACT INFORMATION

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