Atrenne
A Celestica Company

PRME 1U ENCLOSURE

DATASHEET

FEATURES

- High-quality construction
- Superior cooling for low profile design
- Cost effective solution for compact applications
- Supports up to two backplane slots
- Custom configurations and integration services available
- 1U, 19" rackmount enclosure
- CompactPCI® (cPCI), VME64x and VME backplanes available
- Accepts IEEE 1101.10/11 compliant function cards
- Pac-2000® modular design
- Advanced EMC shielding to exceed CE and FCC
- 150 W power supply
- Advanced cooling design:
  - Patented CoolSlot® air deflecting card guides optimize airflow
  - High-performance 40 mm fans
  - Side-to-side/rear airflow path
  - Cooling of both front cards and rear transition cards
- Thermal simulation of enclosure (thermal report available)
  - 6.9 CFM (400 LFM) per front slot average; cools 55 W per front slot
  - 1.2 CFM (100 LFM) per rear transition card; cools 10 W per rear transition module slot
- Front panel power LED indicator
- Internal mounting for one 2.5" slim format device

TABLE 1: TECHNOLOGY OVERVIEW

PHYSICAL	
Width	17.12" (434.8 mm) EIA rackmount standard
Height	1U, 1.75" (44.45 mm)
Depth	12" (304.8 mm)
Weight	12 lbs
CONSTRUCTION	
Bottom and Sides	.040" thick steel with black paint
Top	.020" thick steel with black powder coat paint
Card Guides	Molded plastic, Noryl N190X black (red for cPCI system slot), UL94-V0
ESD Ground Clip	Beryllium copper, alloy C17400, 1/2 HT, with bright tin plating/MIL-T-10727
POWER	
10 A AC Line Input	AC Input: 100-240 VAC Line cord (U.S. NEMA 115V style) provided Rear IEC-320 line voltage inlet, rear on/off switch
Power Supply	150 W with PFC +3.3 V @ 7 A +5.0 V @ 12 A +12 V @ 5 A -12 V @ 1 A MTBF of 100,000 hours

PRME 1U ENCLOSURE

DATASHEET

TABLE 1: TECHNOLOGY OVERVIEW (continued from previous page)

ENVIRONMENTAL	
Temperature	Operating: 0 to +45 °C Storage: 0 to +70 °C
Safety Agencies	Designed to meet UL60950; CSA 22.2 #234; TÜV EN60950
Shock/Vibration	Operating: 10 G's @ 11 ms Transit: 15 G's @ 11 ms per ASTM 0775
Humidity	5% to 95% non-condensing
Flammability Rating	UL94-V0
EMC	Designed to meet FCC Part 15, Subpart J, Class A; CISPR 22, Class A. 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

TABLE 2: ORDERING INFORMATION

PART NUMBER: PRME-	INSTALLATION SLOTS	1	4	1	XX
CONFIGURATION					
(1) = 1U high, 6U x2-slot card cage, 160 mm front, 80 mm rear (see Note 1), 12" deep		1			
POWER SUPPLY					
(4) = Embedded 150 W power supply	Internal		4		
POWER INLET					
(1) = Single 10 AAC inlet	Rear			1	
BACKPLANE					
(V2) = VME 2-slot	1-2 front, 6U section				
(X2) = VME64x 2-slot	1-2 front, 6U section				XX
(C2) = cPCI, 5 V 2-slot left hand (bottom system slot), non-H.110 (see Note 2)	1-2 front, 6U section				

Notes:
1. Consult factory for VME or VME64x rear transition area card guides
2. For 3.3 V add -3 to the end of the part number; for 3.3 V and 66 MHz add -6 to the end of the part number.

WARRANTY

This product has a one year warranty.

CONTACT INFORMATION

www.atrenne.com
sales@atrenne.com
508.588.6110 or 800.926.8722

Atrenne® A Celestica Company