

## FEATURES AND BENEFITS

- ATR-style small form factor baseplate conduction-cooled chassis
- Supports cooling for 6-slot 400 W payload
- Designed for rugged airborne and ground mobile applications
- Extended temperature, shock & vibration tolerance
- 400 W military power supply for MIL-STD-704F aircraft vehicle use
- Supports 6-slot OpenVPX, VPX-REDI 1" pitch backplane
- Designed to the latest OpenVPX™, VPX and VPX-REDI draft specifications
- Custom configurations and integration services available

# CHASSIS SOLUTION SFF-6

## SMALL FORM FACTOR BASEPLATE CONDUCTION-COOLED CHASSIS



The Small Form Factor-6 (SFF) utilizes an ATR-style design for maximum baseplate conduction cooling. Engineered for strength, lightweight, and maximum cooling in a conduction-cooled environment, the SFF-6 enclosure incorporates a specially designed frame and configurable conducting walls for extended temperature, shock and vibration protection.

The SFF-6 is available with 6 or 7 slots supporting the stability and performance of OpenVPX, and VPX REDI. Available with a 400 W military power supply, it has a DC Input of 48 VDC.

## TECHNOLOGY OVERVIEW

PHYSICAL	
Width	8.018"
Height	8.06"
Depth	11.014"
Weight	20 lbs (including Power Supply)
CONSTRUCTION	
Chassis Construction	Composite and Aluminum 6061
Card Cage	Nickel plated Composite
BACKPLANE	
Type	3U Payload conduction-cooled
Size	<ul style="list-style-type: none"> <li>• 1.0" pitch per ANSI/VITA 46 and ANSI/VITA 48.2</li> <li>• 0.8" pitch per IEEE 1101.2 &amp; ANSI/VITA 30.1</li> </ul>
Slots	(6) 3U 1.0" pitch VPX-REDI slots or (7) 3U 0.8" pitch cPCI slots, (2) 3U power supply slots
COOLING	
Type	Conduction-cooled baseplate
Watts	(2) sharing 200 W 28 VDC power supplies compliant to MIL-STD-704F

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SMALL FORM FACTOR BASEPLATE  
CONDUCTION-COOLED CHASSIS

POWER	
DC Input	28 VDC nominal (22 VDC to 36 VDC continuous). MIL 38999 type 28 VDC power input connector. 28 V line cord provided.
Options	Contact factory
ENVIRONMENTAL	
Operating Temperature	-40°C to +71°C
Storage Temperature	-55°C to +105 °C
Flammability Rating	UL94-V0
Shock/Vibration	40g, 11 ms. ~12g RMS: 5Hz-100 Hz PSD incr. @ 3 dB/oct. 100 Hz-1000 Hz PSD = 0.1 g <sup>2</sup> /Hz, 1000 Hz-2000 Hz PSD decr. @ 6 dB/oct.
EMI/EMC	Designed to meet MIL-STD-461E CE102, CS101, CS114, CS115, CS116, RE101, RE102, RS101, RS103

## WARRANTY

This product has a one year warranty.

## CONTACT INFORMATION

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

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