

## FEATURES AND BENEFITS

- ATR-style small form factor baseplate conduction-cooled chassis
- Rugged environments for airborne and ground mobile applications
- Extended temperature, as well as extended shock and vibration tolerance
- Designed to the latest OpenVPX™, VPX and REDI draft specifications
- Supports 4-slot OpenVPX, VPX REDI 1" pitch backplane
- 200 W military power supply for MIL-STD-704 aircraft and MIL-STD-1275 vehicle use
- Customizable I/O configurations
- Custom backplane
- Custom front panel I/O
- Custom configurations and integration services available



# CHASSIS SOLUTION SFF-4

## SMALL FORM FACTOR BASEPLATE CONDUCTION-COOLED CHASSIS

The Small Form Factor-4 (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-4 enclosure incorporates a specially designed frame and configurable conducting walls for extended temperature, shock and vibration protection.

The SFF-4 is available with 5 or 6 slots supporting the stability and performance of OpenVPX, VPX REDI and CompactPCI. Available with a 200 W military power supply, it has a DC Input of 28 VDC.



## TECHNOLOGY OVERVIEW

PHYSICAL	
Width	6.00" (152.40 mm)
Height	7.62" (193.55 mm)
Depth	7.00" (177.8 mm)
Weight	15 lbs (including Power Supply)
CONSTRUCTION	
Extrusions	Aluminum 6061
Card Cage	Conduction-cooled: <ul style="list-style-type: none"> <li>• 5-slot x4 1.0" pitch per VITA 48.2 payload slots and x1 power supply slot</li> <li>• 6-slot x5 0.8" pitch per IEEE 1101.2 payload slots and x1 power supply slot</li> </ul>
BACKPLANE	
Type	OpenVPX, VPX, CompactPCI® (cPCI)
Size	3U form factor
Slots	<ul style="list-style-type: none"> <li>• x4 1.0" pitch OpenVPX per VITA 65</li> <li>• x4 1.0" pitch VPX REDI per VITA 48.2</li> <li>• x5 0.8" pitch cPCI per ANSI/VITA 30.1</li> </ul>

## TECHNOLOGY OVERVIEW (CONTINUED)

COOLING	
Type	Conduction-cooled baseplate to be held within required operating temperature range (payload dependent)
POWER	
DC Input	28 VDC nominal (22-33 VDC continuous)
Watts	200 W 28 VDC power supply compliant to MIL-STD-704F and MIL-STD-1275
ENVIRONMENTAL	
Temperature	<ul style="list-style-type: none"> <li>Operating: -40 to +71 °C (baseplate and ambient)</li> <li>Storage: -55 to +105 °C</li> </ul>
Flammability Rating	UL94-VO
Shock/Vibration	<ul style="list-style-type: none"> <li>40 g, 11 ms</li> <li>MIL-STD-810 ground vehicle and propeller aircraft methods</li> </ul>
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](http://www.atrenne.com)  
[sales@atrenne.com](mailto:sales@atrenne.com)  
 508.588.6110 or 800.926.8722

The information in this document is subject to change without notice and should not be construed as a commitment by Atrenne, a Celestica company. While reasonable precautions have been taken, Atrenne assumes no responsibility for any errors that may appear in this document. All products shown or mentioned are trademarks or registered trademarks of their respective owners.