

## 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>
COOLING	
Type	Conduction-cooled baseplate to be held within required operating temperature range (payload dependent)

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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-V0
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

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