



# CHASSIS SOLUTION 78-740

1/2 ATR BASEPLATE CONDUCTION-COOLED  
ENCLOSURE CUSTOM PACKAGING  
SOLUTIONS

## FEATURES

- Top load 3U 6-slot baseplate conduction-cooled card cage
- 3U cPCI backplane with (5) cPCI or VPX slots and (1) power supply slot
- 28 VDC input (filtered 38999 connector)
- Conduction-cooled 200 W power supply
- Custom, 6-slot backplane
- Cooling for 160 W payload at 20,000 ft

## HIGHLIGHTS

- Modified 1/2 ATR baseplate conduction-cooled enclosure
- Top load payload
- 3U, 6-slot, dip brazed card cage
- Sealed card cage to protect against foreign matter
- Custom 3U CompactPCI® (cPCI) backplane or 3U VPX™ backplane with I/O connectors
- 3U 200 W conduction-cooled power supply module
- Front I/O panel with integrated Flex Circuit
- 28 VDC power input via filtered 38999 connector



## MARKET

Military

## APPLICATION

Airborne

## PROGRAM OVERVIEW

This baseplate conduction-cooled enclosure is an integral sub-system responsible for data communications.

## TECHNOLOGY OVERVIEW

PHYSICAL	
Width	7.45"
Height	7.89"
Depth	12.678"
Weight	22.8 lbs
CONSTRUCTION	
Outer Covers	Machined aluminum
Card Cage	Dipped brazed aluminum
ENVIRONMENTAL	
Operating Temperature	-40° C to 65° C
Storage Temperature	-55° C to 100° C
Altitude	20,000 ft
Humidity	85% non-condensing
Cooling	The chassis is designed to hold a rail temperature of +72° C with a baseplate temperature of +65° C and 5 modules plus power supply populated at 32 W per module
Shock & Vibration	MIL-STD-810F propeller profile
EMI	Mil-STD-461E CE102, RS101

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## TECHNOLOGY OVERVIEW (cotinued from previous page)

POWER	
Power Input	28 VDC (filtered 38999 connector) 18 VDC to 36 VDC, 28 VDC nominal Meets MIL-STD-704D Spikes and Surges

## WARRANTY

This product has a one year warranty.

## CONTACT INFORMATION

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