



# CHASSIS SOLUTION 78-749

8U DEEP TOP LOAD VME64X  
ENCLOSURE CUSTOM  
PACKAGING SOLUTIONS

## FEATURES

- 19" rackmount enclosure, 8U high, 21" deep
- Low smoke wiring
- 20-slot VME64x backplane
- Honeycomb EMI screens
- Circuit breaker with guard
- Extensive chassis Built-in Test (BIT) capabilities:
  - Monitors power supplies and exhaust temperature
  - Front panel Ethernet interface for monitoring and control
  - Remote control and automatic shutdown of payload power supplies

## HIGHLIGHTS

- Top load high power chassis
- Cooling for 70 W per slot with high pressure payload to 10,000 ft
- 1600 W MIL-STD-704F power supply



## MARKET

Military/Aerospace

## APPLICATION

Military intelligence, homeland security, reconnaissance and surveillance systems

## PROGRAM OVERVIEW

This system's initial application is airborne electronic surveillance. It supports high power signal processing applications in a low profile light weight rugged rackmount chassis with extensive BIT capabilities.

## TECHNOLOGY OVERVIEW

PHYSICAL	
Width	17.65"
Height	13.97"
Depth	21.00"
Weight	59 lbs
CONSTRUCTION	
Extrusions	6063-T6 aluminum, precision grade with clear iridite plating
Side Panels	.090" thick aluminum, 5052-H32 with clear iridite plating
Card Guides	Molded plastic, Noryl N190X Black, UL94-V0
Backplane	Custom VME64x, 6U x 160mm, 20-slot
Fans	MIL grade, 115 VAC, 3 phase 400 Hz
ENVIRONMENTAL	
Temperature	<ul style="list-style-type: none"> <li>• Operating : 0° C to 40° C</li> <li>• Storage: -20° C to 65° C</li> </ul>
Altitude	<ul style="list-style-type: none"> <li>• Operational: 10k ft</li> <li>• Non-operational: 40k ft</li> </ul>
Humidity	95% non-condensing
Cooling	Air-cooled up to 100 W per slot
Shock & Vibration	MIL-STD-810F
EMI/EMC	MIL-461E: CE101, CE102 & CS101

# CHASSIS SOLUTION 78-749

8U DEEP TOP LOAD VME64X ENCLOSURE  
CUSTOM PACKAGING SOLUTIONS

## TECHNOLOGY OVERVIEW (cotinued from previous page)

POWER / ELECTRICAL	
Power Input	28 VDC per MIL-STD-704F (22-29 VDC)
Power Output	Total: 1679 Watts <ul style="list-style-type: none"><li>• +3.3 @ 70A</li><li>• 5V @ 160A</li><li>• +12V @7A</li><li>• -12V @ 1A</li><li>• 24V @10.5A</li><li>• +12V (fan) @ 300A</li></ul>

## WARRANTY

This product has a one year warranty.

## CONTACT INFORMATION

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