



# DataMetrics™

## MODEL 7008 21 SLOT VME64x COTS CHASSIS

\*New Model



### Key Features

- Up to 21 Slot VME64x Backplane Standard
- Unique Front Air Inlet for Optimal Cooling and Fan Access
- Field Replaceable Fan Assembly with 3 High-Flow DC Fans
- Full Access to All Slots for 6Ux160 Front Cards and 6Ux80 Rear Transition Modules
- Front Mounted, Illuminated, and Cover Protected Power Switch
- Up to 1500 Watts of Power
- Available with Flush Mount or 2 Inch Recessed Card Cage
- Many Backplane Options Available
- Optional Chassis Environmental Monitor/Controller
- *Consult factory for Custom Configurations!*

### Model 7008 8U VME64x COTS Chassis

The 8U Model 7008 COTS chassis has several unique features that distinguish itself from the competition. This rack mount or table top configurable 8U chassis has a unique front air inlet feature that allows access to the field replaceable fan tray for sub-2 minute replacement or maintenance. This model also provides front access to all 21 ea 6U backplane slots and up to 15 ea 6U rear transition modules. The chassis accommodates 3U and 6U x 160mm or 220mm plug-in boards and 6U x 80mm rear transition modules (100mm or 120mm support can be ordered). Backplane architectures such as VME, VME 64X, VITA 31, VITA 41, VITA 46, CompactPCI 2.1 and 2.16 are available; DataMetrics™ will also design customer-specific architectures. The power supply used is fully configurable to meet all output voltages and current requirements and provides optional voltage margining for circuit development and system characterization. A programmable environmental monitor with Ethernet and serial communication ports, and optional front panel alpha-numeric display, is available to ensure proper operating conditions.



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## Environmental Characteristics

Temperature - Operating . . . . -10°C to +55°C  
 Temperature - Storage. . . . . -20°C to +85°C  
 Shock - Operating . . . . . 1G, 11ms ½ sine  
 Shock - Non-operating. . . . . 2G, 11ms ½ sine  
 Vibration - Random . . . . . 0.5G 10-2000 Hz  
 Vibration - Sinusoidal. . . . . 0.5G 10-500 Hz  
 Humidity - Operating . . . . . <95% non-condensing  
 Humidity - Non-Operating . . . . <95% non-condensing  
 Altitude - Operating . . . . . 10,000 ft  
 Altitude - Non-Operating . . . . 40,000 ft  
 EMC/EMI . . . . . MIL-STD-461E CE102, CS101, CS114,  
 CS116, RE102, RS103 (verify with 1101.10)

## Electrical Characteristics

Power Input . . . . . 85 - 264 Vac, 47 - 440 Hz, auto ranging  
 Power Input Connector . . . . . IEC320 connector  
 Power Supply . . . . . 400W - 1500W  
 Output Current. . . . . +5V @ 150A, +3.3V @ 60A, ±12V @ 17A,  
 ±V1, ±V2, VPC

## Performance Characteristics

Backplane . . . . . 21 Slot VME 64X (other options available)  
 MTBF . . . . . >50,000 hrs  
 Cooling . . . . . Front removable fan tray with 3 high-CFM,  
 DC cooling fans (120x38mm, 120CFM, 12 Vdc)  
 Optional Accessories . . . . . Environmental monitor/controller  
 \*Refer to *System Monitor* data sheet for info.

## Physical Characteristics

Size . . . . . 8U (13.97") H x 19" W x 18" D  
 Weight . . . . . 36 lbs without cards  
 Mounting - Standard . . . . . Rackmount  
 Mounting - Optional . . . . . Tabletop  
 Finish . . . . . Clear chem film (alodine)

## Ordering Information

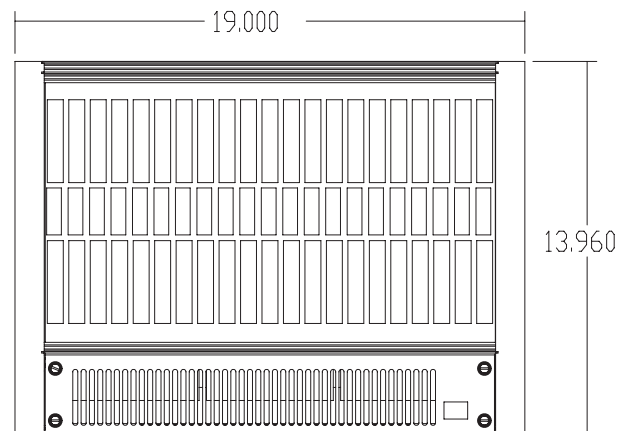
| Part Number  | Description                                   |
|--|---|
| 7008-211X-C000   | COTS, 8U, 21 Slot, VME, Clear Chem. Finish    |
| 7008-212X-C000   | COTS, 8U, 21 Slot, VME64x, Clear Chem. Finish |
| 7008-213X-C000   | COTS, 8U, 21 Slot, VITA, Clear Chem. Finish   |
| 7008-214X-C000   | COTS, 8U, 21 Slot, CPCI, Clear Chem. Finish   |
| Standard Configuration 7008-2120-C000                            |   |
| "X" indicates ordering options for additional features.          |   |
| Consult DataMetrics for other options and custom configurations. |   |

Technical Specifications are subject to change without prior notice.

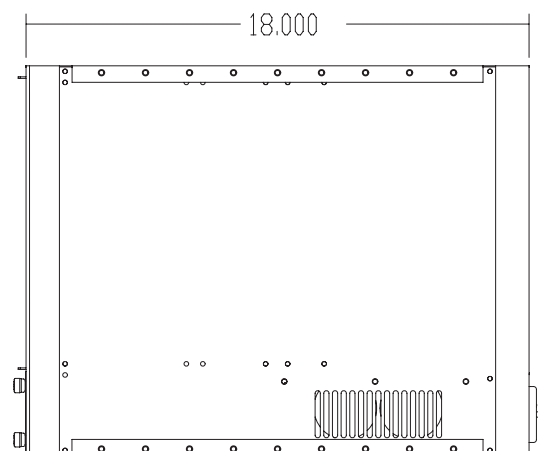
## Front View - Fans Exposed



## Front View - Dimensions



## Side View - Dimensions



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