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8U VME Powered Enclosure

Designed for Rackmount or Tabletop Configurations

Features

- ◆ Dimensions: 8U H x 19" W x 22" D
- ◆ 2" Recessed 6U160 Card
- ◆ 3~21 slot VMEbus backplane with automatic Bus Grant (BG and IACK daisy chain/jumpering (standard)
- ◆ Optional 2 to 21-slot VMEbus backplane with manual BG and IACK jumpering
- ◆ Shrouds on all P2 connectors
- ◆ Clear access to all P2 connectors
- ◆ Up to 7, 6U160 Transition Module slots
- ◆ Three high-CFM, rear panel mounted DC cooling fans provide a bottom-to-top air path
- ◆ Front panel main power switch/circuit breaker, system reset switch, voltage indicator LEDs, and voltage test jacks
- ◆ Choice of 350W to 800W power supplies
- ◆ Front mounted handles
- ◆ Shipped fully wired and tested
- ◆ VME64x and CompactPCI configurations available upon request



Technical Specifications

Mechanical

Compatibility: ANSI/VITA 1-1994 and IEEE P1014

Material: H5052 Aluminum, alodine coated with a grain finish

Dimensions: 13.98" H x 22" D x 19" W (17" internal chassis)

Weight: Under 17~35 lb (configuration dependent)

MTBF: Configured with 21-slot VME backplane, 800W power supply, three DC fan cooling system: >50,000 hr operating at +40°C

Electrical

Maximum Power Draw Per Slot: Approximately 40W per slot

Power Supply Input: See table below

Power Supply Output: See peak output ratings in the following table

Ordering Code	Max. Power (Watts)	Input Voltage	Input Frequency	Input Type	Output Voltages		
					+5V	+12V	-12V
C	350 W	85~264 VAC	47~440 Hz	Autoranging	50 A	12 A	6 A
J	400 W	85~264 VAC	47~440 Hz	Autoranging	55 A	10 A	7 A
N	600 W	85~264 VAC	47~440 Hz	Autoranging	60 A	10 A	4 A
F	800 W	85~264 VAC	47~440 Hz	Autoranging	120 A	10 A	4 A

Environmental

Storage Temperature: -20°C to +85°C

Operating Temperature: 0°C to +50°C

Humidity: <95% non-condensing

Cooling: Three (3) 120mmx24mm, 12VDC fans with >250 CFM

Overview

The RME-8512 is available in rack-mount and benchtop mounting configurations. With up to 7 transition module slots accessible, the RME-8512 has proven to be an ideal choice for serious 21-slot VMEbus configuration requirements.

The ordering matrix for this series provides a comprehensive selection of the most popular native configurations, though custom configurations are available. If the configuration you need is not shown in the ordering matrix, please consult the factory. RME-8512 configurations feature accommodations for up to an 800 watt power supply, up to 21 slots that accommodate 6U x 160mm VMEbus boards, and clear access to all P2 rear backplane connectors.

Ordering Information

11-1007214-XXXX

System Power

C = 350W
 J = 400W
 N = 600W
 F = 800W

Transition Module, Fan, Door and Tabletop Foot Kit Options

A = T.M., AC Fan, Metal Door
 B = T.M., AC Fan, Metal Door, Foot Kit Installed
C = T.M., DC Fan, Metal Door
D = T.M., DC Fan, Metal Door, Foot Kit Installed
 E = No T.M., AC Fan, Metal Door
 F = No T.M., AC Fan, Metal Door, Foot Kit Installed
G = No T.M., DC Fan, Metal Door
H = No T.M., DC Fan, Metal Door, Foot Kit Installed
 I = T.M., AC Fan, Clear Door
 J = T.M., AC Fan, Clear Door, Foot Kit Installed
K = T.M., DC Fan, Clear Door
L = T.M., DC Fan, Clear Door, Foot Kit Installed
 M = No T.M., AC Fan, Clear Door
 N = No T.M., AC Fan, Clear Door, Foot Kit Installed
O = No T.M., DC Fan, Clear Door
P = No T.M., DC Fan, Clear Door, Foot Kit Installed

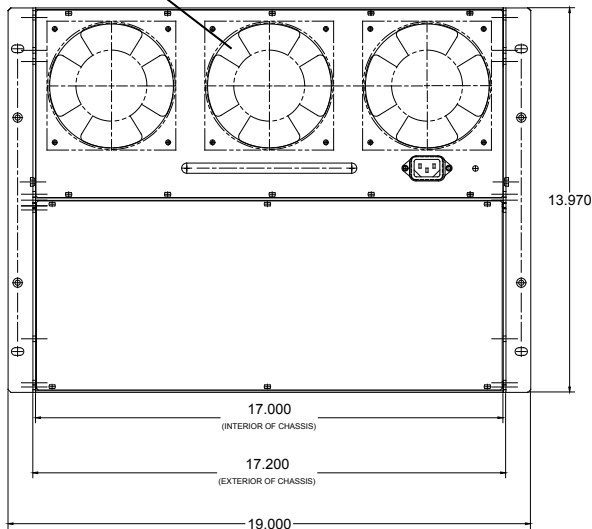
Number of VME Backplane J1/J2 Slots

02-21 = 2 through 21 slots w/manual BG/IACK
 23-41 = 3 through 21 slots with automatic BG/IACK jumpering

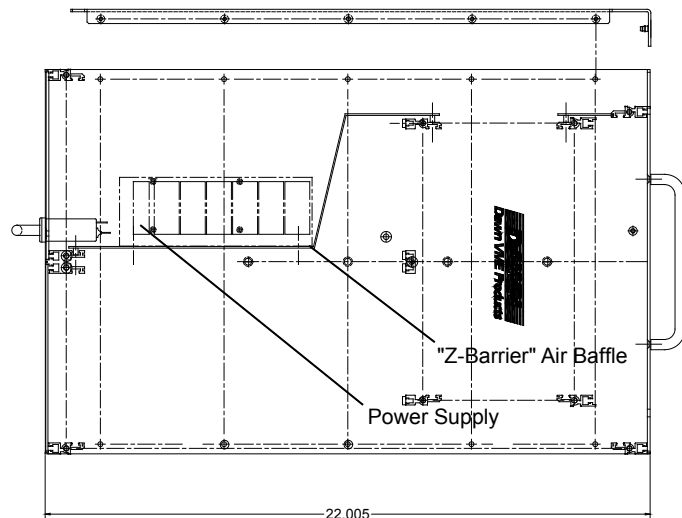
Bold indicates standard configuration

Enclosure Dimensions (Rackmount Configuration Shown)

3-Fan Cooling System



Rear View



Side View

Other Accessories from Dawn:

- ◆ VME64x and CompactPCI Configurations (contact factory)
- ◆ System Health Monitor kit
- ◆ Test Extender Boards
- ◆ Peripheral Mounting Modules
- ◆ Slot Bypass Boards
- ◆ Prototyping Boards
- ◆ Form-Factor Extender Boards (FFE)
- ◆ Filler Panels: 3U, 6U or 9U x ≤ 1~21 slot widths
- ◆ 3U, 6U, 9U and Custom Front Panels

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