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Find the *Dawn VME RME-8512* at our website: *Click HERE*

VME Enclosure: Model RME-8512

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



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.

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

					Output Voltages		
Ordering Code	Max. Power (Watts)	Input Voltage	Input Frequency	Input Type	+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: -20ºC to +85ºC

Operating Temperature: 0ºC to +50ºC

Humidity: <95% non-condensing

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

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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**

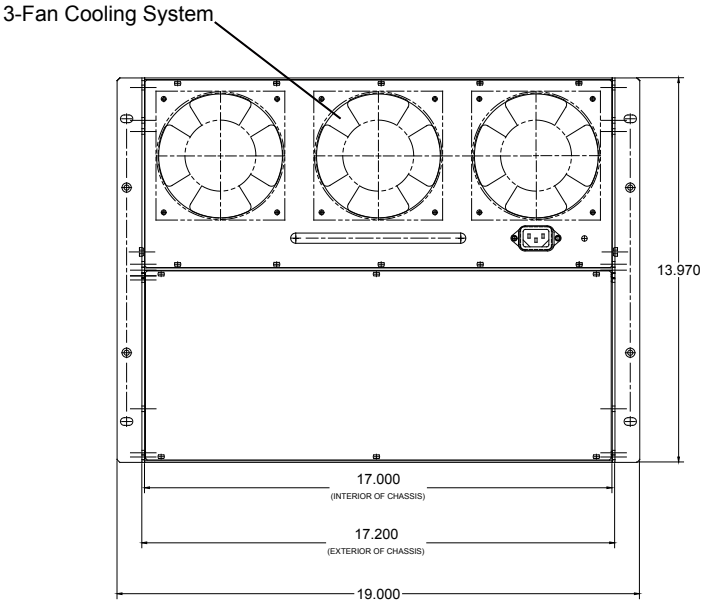
Number of VME Backplane J1/J2 Slots

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

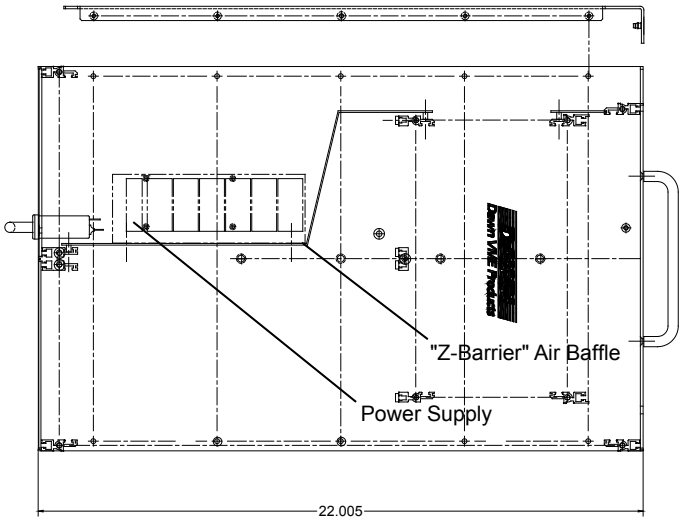
Bold indicates standard configuration

Enclosure Dimensions

(Rackmount Configuration Shown)



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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VMEbus Technology

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