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VME Enclosure: Model RME-7612

7U VME Powered Enclosure

Versatile Multi-Configuration Production Enclosure

Features



- Dimensions: 7U H x 19” W x 16.35” D
- Light weight: From 15 to 32 lb.
- Choice of 2 to 21-slot VMEbus backplane with manual Bus Grant and IACK jumpering, or 3~21 slot VMEbus backplane with automatic Bus Grant and IACK daisy chain/jumpering (standard)
- Shrouds on all P2 connectors
- Four 6U Transition Module slots
- Three DC cooling fans (standard) provide a bottom-to-top air path, evacuating warmer air through perforations in the top cover above the board area
- Front panel main power switch/circuit breaker
- Optional, removable benchtop foot kit available
- Choice of 350W to 800W power supplies
- Optional front mounted carrying handles
- Shipped fully wired and tested
- VME64x and CompactPCI configurations available; contact factory

Overview

The **RME-7612**, has proven to be an ideal choice for budget conscious, 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. The **RME-7612** 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 the rear of the first four P2 backplane connectors.

Technical Specifications

Mechanical

Compatibility: ANSI/VITA 1-1994 and IEEE P1014

Material: H5052 Aluminum, alodine coated with a grain finish

Dimensions: 12.22” H x 16.35” D x 19” W (17” internal chassis)

Weight: Under 15~32 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

47915 Westinghouse Drive Fremont, CA 94539 phone 510.657.4444 fax 510.657.3274 www.dawnvme.com

Ordering Information

11-1006805-XXXX

System Power

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

Transition Module, Fan, Door and Tabletop Foot Kit Options

1	=	T.M., AC Fan
2	=	T.M., AC Fan, Foot Kit Installed
3	=	**T.M., DC Fan**
4	=	**T.M., DC Fan, Foot Kit Installed**
5	=	No T.M., AC Fan
6	=	No T.M., AC Fan, Foot Kit Installed
7	=	**No T.M., DC Fan**
8	=	**No T.M., DC Fan, Foot Kit Installed**

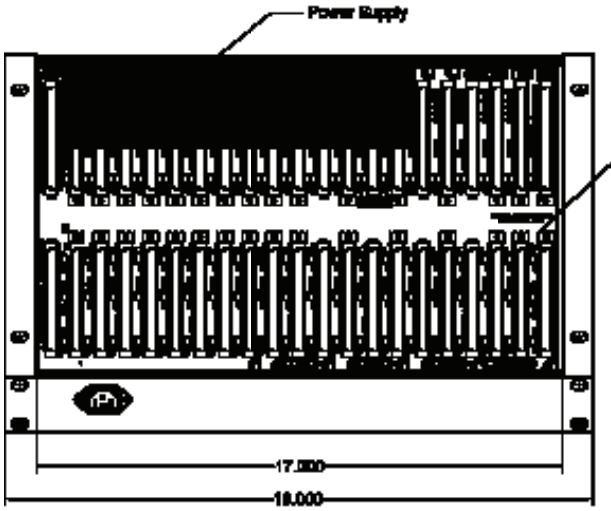
Number of VME Backplane J1/J2 Slots

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

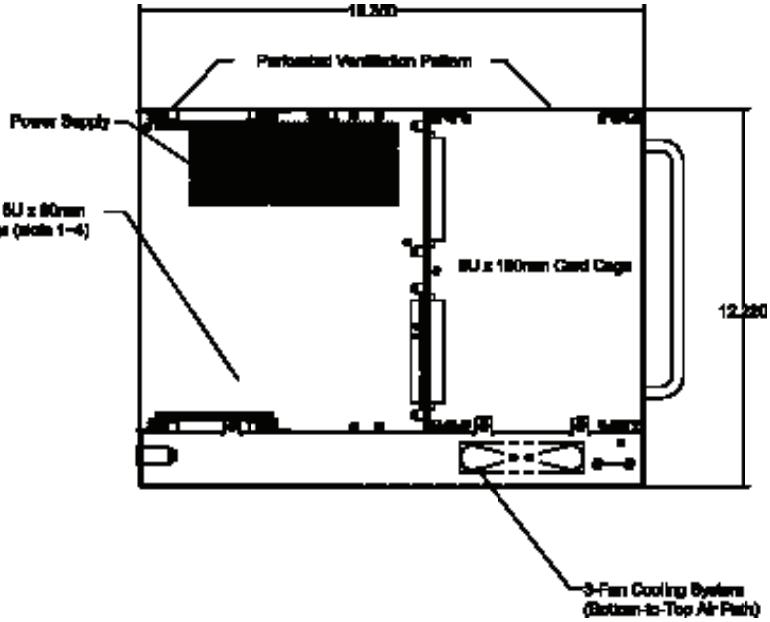
Bold indicates standard configuration

Enclosure Dimensions

(Rackmount Configuration Shown)

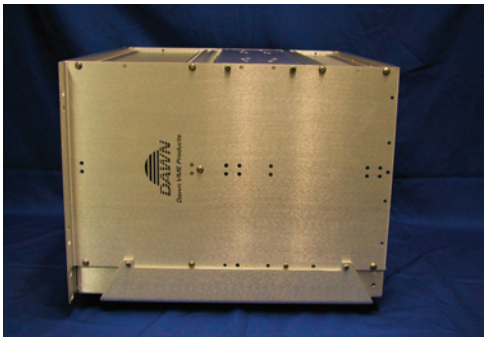


Rear View



Side View

Shown with Foot Kit Installed



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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