Dawn VME Products ®

VME64x Enclosure: Model RME-7613

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-7613**, 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-7613** 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

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

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**

Bold indicates standard configuration

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

Enclosure Dimensions
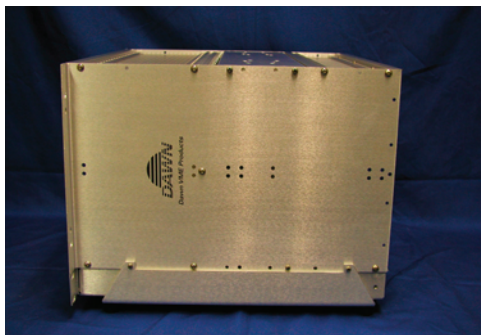**(Rackmount Configuration Shown)**
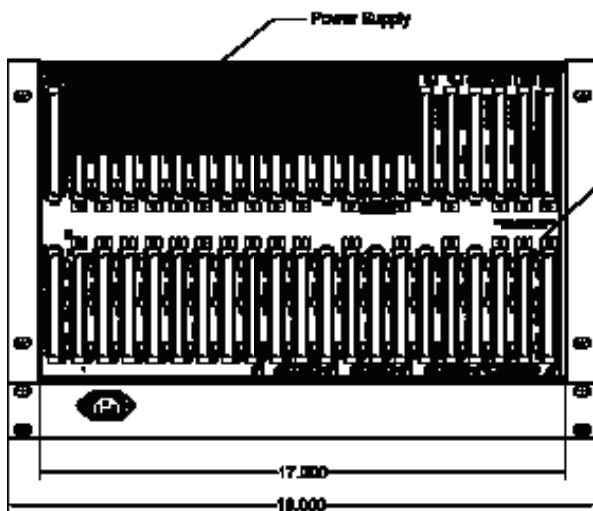
Rear View
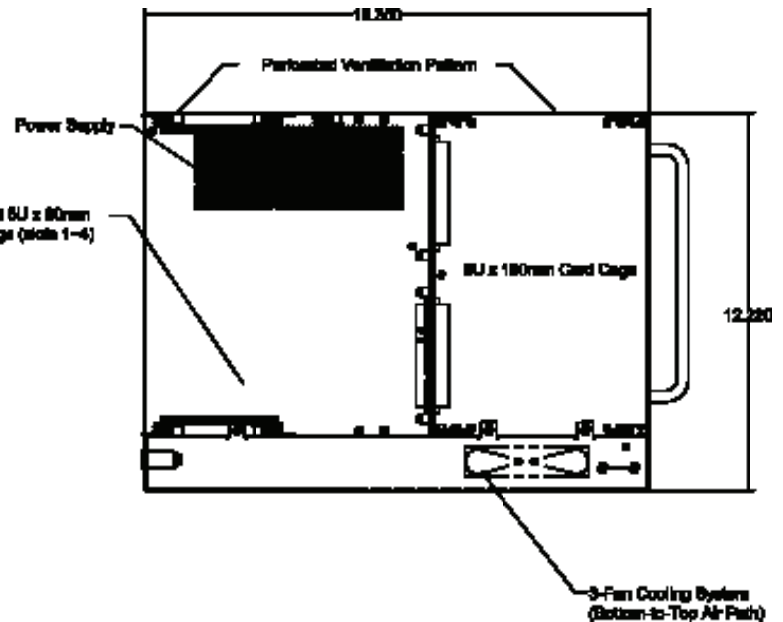
Side View

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

VMEbus Technology