

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

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

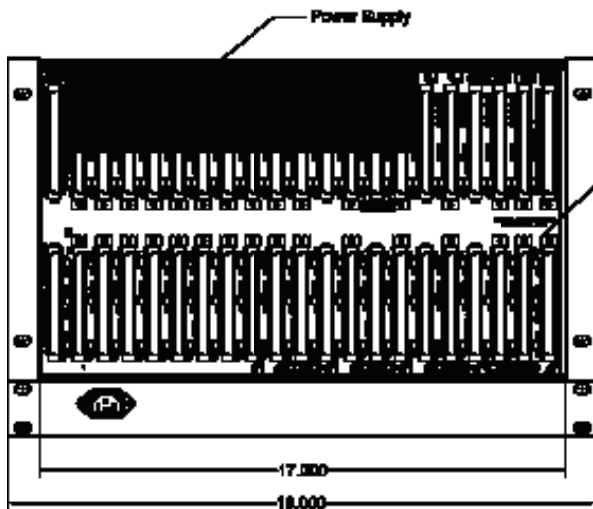
1 = T.M., AC Fan
2 = T.M., AC Fan, Foot Kit Installed
3 = T.M., DC Fan
4 = T.M., DC Fan, Foot Kit Installed
5 = No T.M., AC Fan
6 = No T.M., AC Fan, Foot Kit Installed
7 = No T.M., DC Fan
8 = No T.M., DC Fan, Foot Kit Installed

Number of VME Backplane J1/J2 Slots

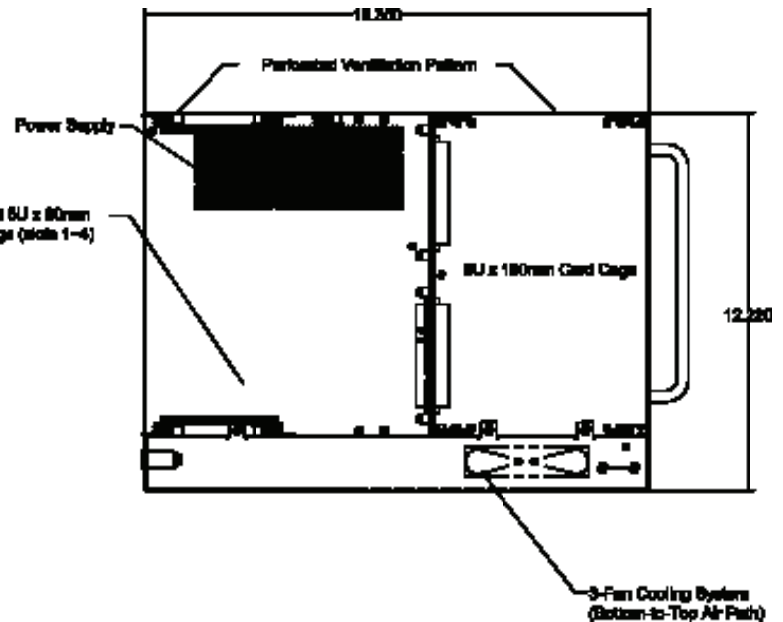
02-21 = 2 through 21 slots w/manual BG/IACK
23-41 = 3 through 21 slots with automatic BG/IACK jumpering

Bold indicates standard configuration

Enclosure Dimensions (Rackmount Configuration Shown)

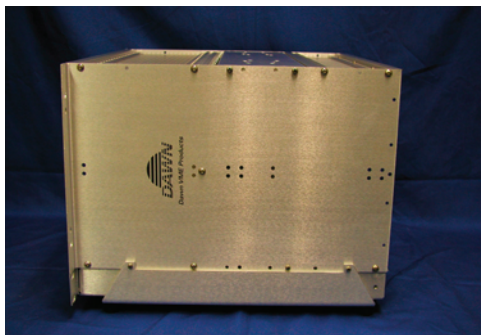


Rear View



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

