

10U VME Powered Enclosure

Designed for up to 21-slot Backplane and Drive Bay Modules

Features

- ◆ Dimensions: 10U H x 19" W x 16.35" D
- ◆ Dual 2-slot, 5-1/4 HH drive modules
- ◆ Single VMEbus backplane to 21 slots with automatic BusGrant and IACK daisy chain/jumpering
- ◆ Optional 2 to 21-slot VMEbus backplane with manual BG and IACK jumpering
- ◆ Configurations with multiple backplanes are available
- ◆ Shrouds on all P2 connectors
- ◆ System Health Monitor Option
- ◆ Up to 21, 6Ux80mm, 120mm or 160mm Transition Module slots
- ◆ Three high-CFM, DC cooling fans provide a bottom-to-top air path
- ◆ Perforated cover above card cage area
- ◆ Front panel main power switch/circuit breaker
- ◆ Up to 1000W power supply available
- ◆ 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: 17.497" (10U) H x 16.35" D x 19" W (17" internal chassis)

Weight: Under 20~40 lb (configuration dependent)

MTBF: Configured with 21-slot VME backplane, 800W power supply, three 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
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	80 A	10 A	10 A
F	800 W	85-264 VAC	47-440 Hz	Autoranging	120 A	17 A	17 A

Contact factory for output ratings for VME64x and cPCI configurations

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 combined CFM>250

Overview

RME-9612 is one of the most versatile rackmount or tabletop powered enclosures available today. Its ability to house up to a single 21 slot backplane or multiple smaller slot-count backplanes, up to 20 transition modules (clear access to all P2 rear backplane connectors), dual drive bay modules that accommodate up to combined four 5-1/4 half-height disk drives, and powerful cooling system set **RME-9612** apart from competing products.

As with other Dawn powered enclosures, **RME-9612** is available with rubberized mounting feet to facilitate benchtop configuration prior to rack mount deployment.

The ordering matrix for this series provides a comprehensive selection of the most popular native configurations, though custom configurations are always available. If the configuration you need is not shown in the ordering matrix, please consult the factory.

Ordering Information

11-1007966-XXXX

System Power

J = 400W
 N = 600W
 F = 800W
 * = 1000W

Fan type and Tabletop Mounting Feet Option

3 = T.M., DC Fans, No Mounting Feet
 4 = T.M., DC Fans, Mounting Feet Installed

Note: Specify TM depth - 80mm, 120mm or 160mm

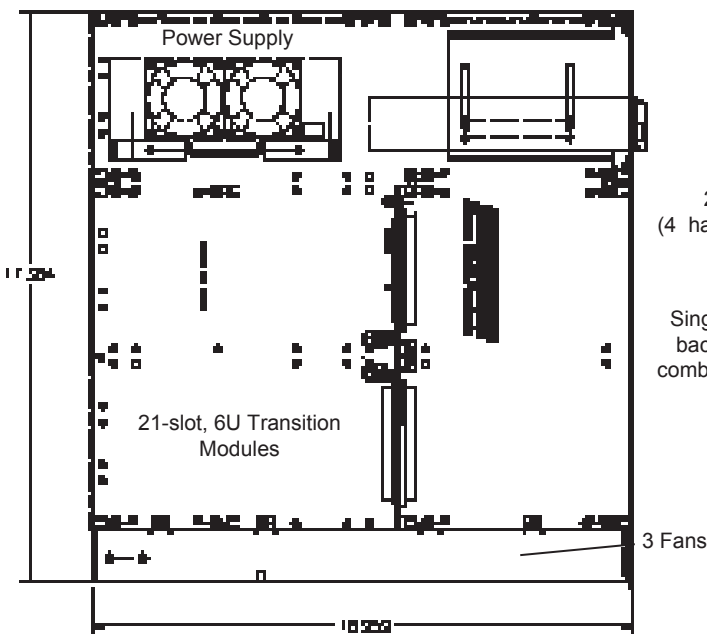
Number of VME Backplane J1/J2 Slots

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

Contact Dawn for VME64x and CompactPCI configurations, as well as configurations with multiple backplanes.

* Contact Dawn for Ordering Information

Enclosure Dimensions (Rackmount Configuration Shown)

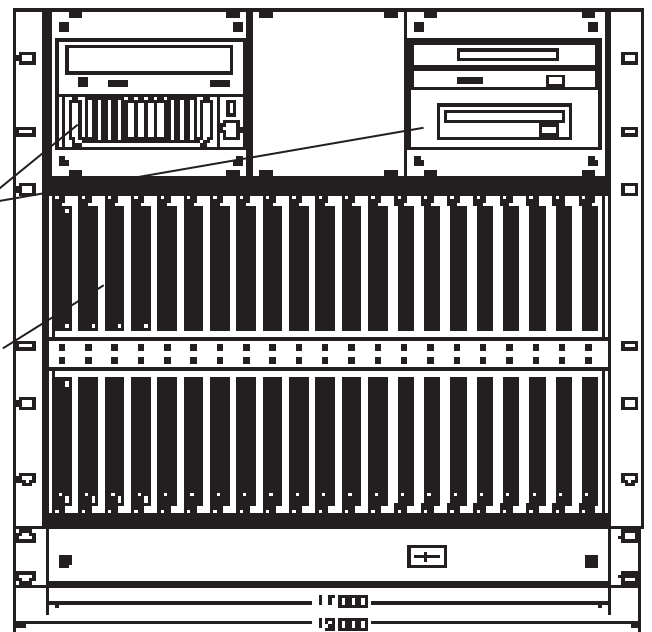


Side View

2 Drive Modules
(4 half-height drives)

Single or multiple
backplanes with
combined slots ≤ 21

3 Fans



Front 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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