VME64x Powered Enclosure: 638 Series

9U VME64x Powered Enclosure

Accommodates Backplanes up to 21 slots

Features

♦ Designed especially for VME64x backplane systems

♦ Single backplane to 21 slots, or multiple discrete backplane configurations available

♦ Automatic jumpering of BUSGRANT/IACK, standard

♦ Backplane stiffener installed

♦ 2" recessed card cage

♦ 1101.10 compatible (inject/eject)

♦ Recessed, 20-slot, 80mm, 1101.11 direct plug-in rear transition module card cage

♦ Front panel main power switch/circuit breaker, reset switch, LED power indicators, and output voltage test jacks

♦ DC cooling fans are standard, with bottom-to-top air path resulting in SUPERIOR COOLING

♦ Autoranging input power supplies are standard

♦ Choice of output power options

♦ Chassis accommodates 1 or 2 internal power supplies

♦ Front mounted carrying handles

♦ VME and CompactPCI configurations available; contact factory for information

♦ Shipped fully wired and tested

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Technical Specifications

Mechanical

Compatibility: ANSI/VITA 1-1997 VME Extensions standards.

Material: H5052 Aluminum

Finish: Alodine treated with brushed finish

Dimensions: 15.722" H x 20" D x 19" W (17" chassis).

Weight: Under 45 lb with 21-slot monolithic backplane and single 800W power supply.

MTBF: Configured with 21-slot VME64x backplane, single 800W power supply, triple-DC fan cooling system: >50,000 hr operating at +40°C.

Electrical

Maximum Power Draw Per Slot: Approximately 40W per slot.

Power Supply Input: Autoranging 85~264VAC input; 47~440 Hz.

Power Supply Output: See chart below

| Ordering Code	Max. Power (Watts)	Input Voltage	Input Frequency	Input Type	Output Voltages			
					3.3V	+5V	+12V	-12V
C	350 W	85~264 VAC	47~440 Hz	Autoranging	6 A	50 A	12 A	6 A
J	400 W	85~264 VAC	47~440 Hz	Autoranging	35 A	35 A	10 A	4 A
N	600 W	85~264 VAC	47~440 Hz	Autoranging	60 A	60 A	10 A	4 A
O	800 W	85~264 VAC	47~440 Hz	Autoranging	60 A	120 A	10 A	4 A

Environmental

Storage Temperature: -20ºC to +85ºC

Operating Temperature: 0ºC to +50ºC

Humidity: <95% non-condensing

Cooling: Three 120mm high-volume fans

Overview

Dawn VME Products' **638** SERIES is one of the most versatile and cost-effective powered chassis solutions available from the industry. Many standard VME, VME64x and CompactPCI backplane configurations are available, as are multiple backplane systems with one or more power supplies, or redundant power systems. Standard configurations can be ordered using the ordering matrix on the other side of this data sheet.

![Dawn VME Products logo]

Ordering Information

11-1010638-XXXX

System Power
C	=	350W
J	=	400W
N	=	600W
O	=	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 slot J1/J2 (3 and 4-slot w/EBG)
23-41	=	3 through 21 slot J1/J2 with auto-daisy-chain of BG/IACK

Enclosure Dimensions

TRANSITION MODULE (T.M.) CARD CAGE

17.000
19.000

Rear View

20.000

PERFORATED VENTILLATION PATTERN COVERS REAR SECTION OF TOP COVER

6U x 80mm T.M. Card Cage

6U x 160mm Card Cage

15.722

POWER SUPPLY

3-FAN COOLING SYSTEM (BOTTOM-TO-TOP AIR PATH)
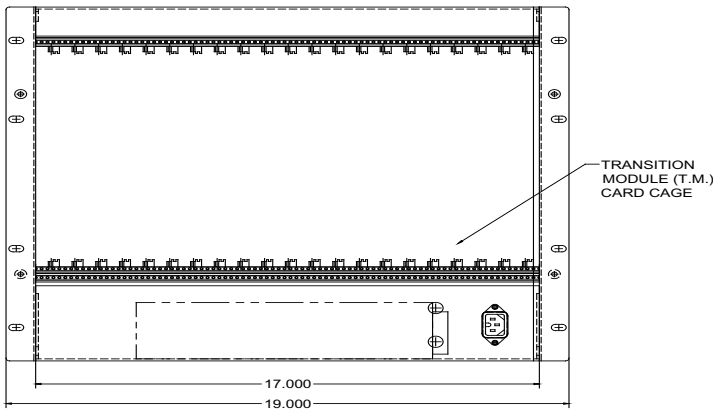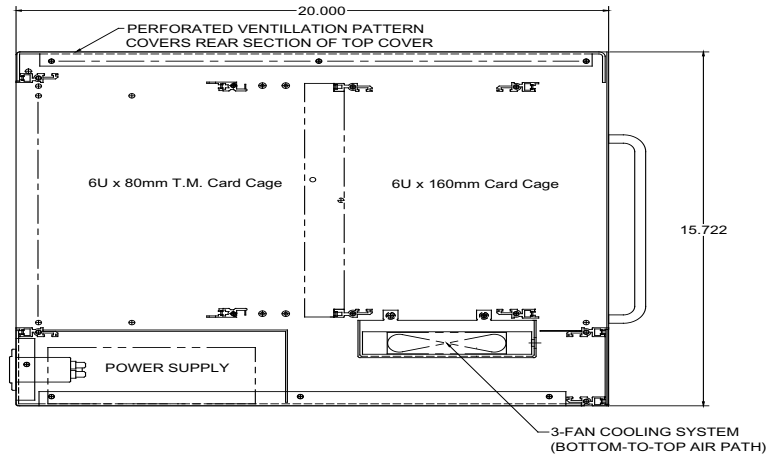
Side View

Active Cooling System

Optional Accessories:

♦ 9U VME 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 $\leq$ 1~21 slot widths

♦ Front Panels

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