



# Artisan Scientific

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# VME64x Development System

Featuring a 9-slot VME64x Backplane

## Features

- ◆ Durable powder coat black paint
- ◆ High-performance 9-slot VME64x backplane with J1, J2 and optional J0 connectors (see ordering guide on back side)
- ◆ Backplane features optimized signal line impedance using Dawn-originated balanced and matched transmission line design; minimum crosstalk
- ◆ Noise suppression capacitors and Automatic Daisy Chaining of IACK/BG are standard
- ◆ Shrouds installed on J0 and J2 connectors
- ◆ Backplane stiffener installed
- ◆ 80mm Transition Module Card Cage with direct plug-in capability
- ◆ Keyed 1101.10/11 card guides featuring inject/eject and ESD clips
- ◆ 400W, 4-output power supply with:
  - +3.3V, +5V, +12V and -12V outputs (see table for details)
- ◆ Status LEDs and probe test points for all output voltages are located on the front panel
- ◆ Reset switch located on rear of chassis
- ◆ Optional disk drive bays



## Technical Specifications

### Mechanical

**Material:** H5052 Aluminum

**Finish:** Powder coat paint, black color, satin sheen with matte finish

**Dimensions:** 20.4" H x 12.6" W x 11.8" D x 0.090" T

**Weight:** 24 lb

### Electrical

**Maximum Power Draw:** 400W, Approximately 40W per slot

**Power Supply Input:** 90~264 VAC, Auto-switching, 47~63Hz

Input Current: 8.0A @ 115VAC, 5.0A @ 230VAC

Ripple/Noise: 3.3V or 5V = 100mV, 12V = 150mV, -12V = 200mV

Load Regulation: +/-5%

FCC-B and CE

**Power Supply Output:** See peak output ratings in the following table:

Ordering Code	Max. Power	+3.3V	+5V	+12V	-12V
2	400 W	30 A	50 A	27 A	3 A

Note: +3.3V and +5V combined power cannot exceed 250W

### Environmental

**Storage Temperature:** -20°C to +85°C

**Operating Temperature:** 0°C to +50°C

**Humidity:** <95% non-condensing

**Cooling:** Eight (8) 12VDC, 25CFM fans

## Overview

Dawn VME Products' DEV-7713 Development System is perfect for use in office and laboratory environments. Its 9-slot high-performance VME64x backplane features state-of-the-art design and construction, and comes with automatic daisy chaining of IACK/BG.

The native configuration provides blank panels covering provisions for four half-height 5.25" drives; optional drive bays may be ordered (contact the factory).

System cooling is provided by eight (8) 12VDC fans that provide push-pull laminar air flow from bottom-to-top of the card cage area.



# Ordering Information

11-1011777-2XX9

**System Power**  
2 = 400W

**Backplane "J0" Connector Options**  
0 = Without J0  
1 = With J0

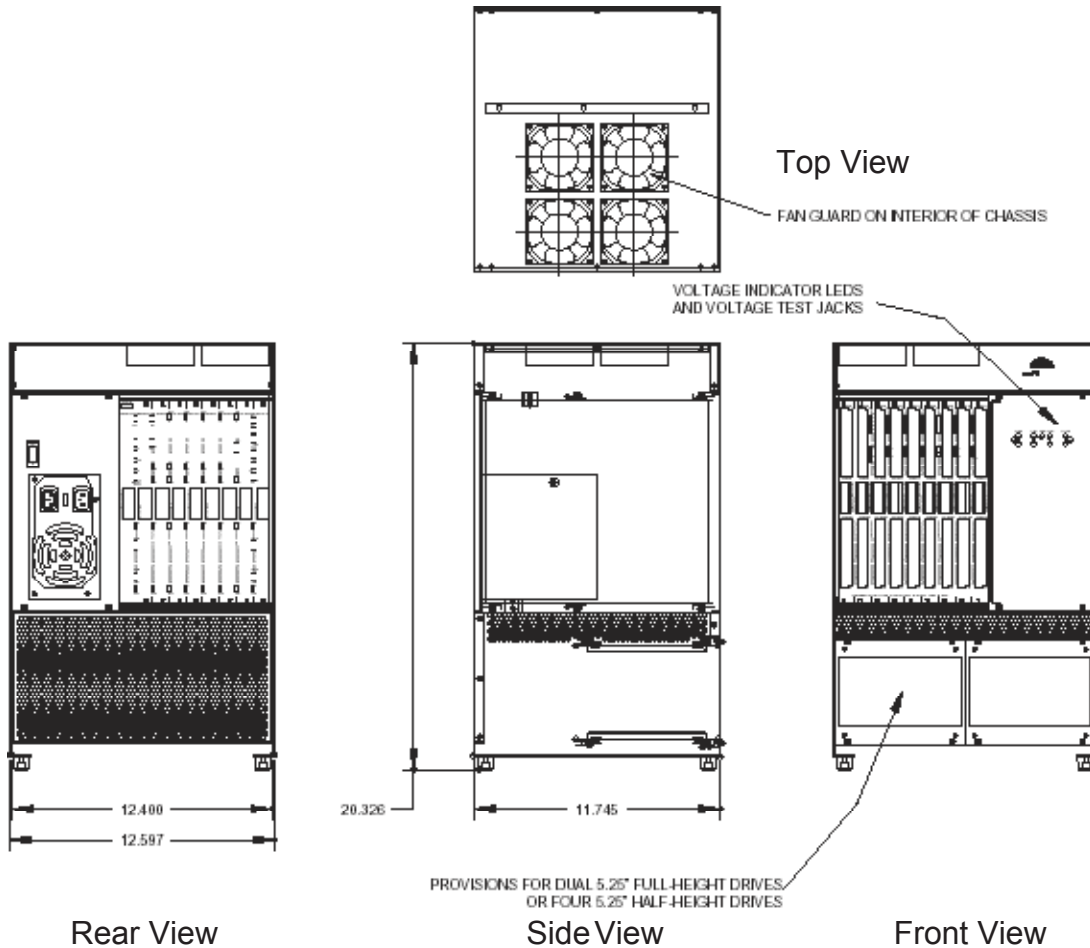
**Drive Bay Options**  
0 = With 2 Full Height Drive Bays  
1 = No Drive Bays

**Backplane Slots**  
9 = 9 VME64x J1/J2 slots

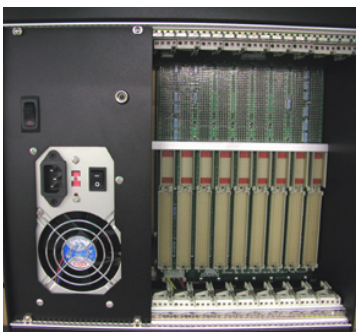
Bold indicates standard configuration

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## Enclosure Dimensions



### Rear View of Enclosure:



### Accessories from Dawn:

- ◆ VME and CompactPCI Configurations (contact factory)
- ◆ System Health Monitor kit
- ◆ Test Extender Boards
- ◆ Peripheral Drive Bays
- ◆ Slot Bypass Boards
- ◆ Prototyping Boards
- ◆ Form-Factor Extender Boards (FFE)
- ◆ Filler Panels: 3U, 6U or 9U x ≤ 1~21 slot widths
- ◆ Front Panels



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