Dawn VME Products®

Development Chassis: Model DEV-7753

CompactPCI™ Development System

Featuring an 8-slot PICMG 2.1 (Rev. 3) or 2.16 Backplane

Features

♦ Durable black powder coat paint

♦ Choice of Backplane:
  6U/8-slot, PICMG 2.1 R3 with RH System Slot, or
  6U/8-slot, PICMG 2.16 with LH System Slot

♦ V(I/O) is user keyed to either +3.3V or +5V (+5V is default keying[1])

♦ Shrouds installed on P2 and P3 connector tails on all 8 slot positions

♦ Noise suppression capacitors installed

♦ Color-coded card guides feature ESD clips, keying, and supports IEEE 1101.10/11 inject/eject requirements

♦ 80mm Transition Module Card Cage with direct plug-in capability per IEEE 1101.11

♦ 400W, 4-output power supply with:
  +3.3V, +5V, +12V and -12V outputs
    (see table for details)

♦ Status LEDs and test points for all power supply output voltages are located on the front panel

♦ Optional dual full-height 5.25" drive bays (also support half-height peripherals)

[1] V(I/O) is pre-wired to the +5V power source. Changing to +3.3V requires slight modification. Contact Dawn VME for details.

Overview

Dawn VME Products' DEV-7753 Development System is a perfect solution as a low-cost yet flexible powered enclosure for developing CompactPCI systems. Its 8-slot high-performance cPCI backplane provides the maximum allowable number of cPCI slots in a single backplane, and features user-selectable V(I/O). The rear card cage supports eight fully accessible 80mm Transition Modules cards.

The standard configuration provides blank panels covering optional single or dual full-height 5.25" peripheral modules. Aggressive system cooling is achieved from the eight (8) 12VDC fans that provide bottom-to-top laminar air flow through the card cage area. A 400W power supply is standard; refer to the table for output voltage specifications.

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, Not to exceed 50W 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	30.0 A	50.0 A	27.0 A	3.0 A

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

Environmental

Storage Temperature: -20ºC to +85ºC

Operating Temperature: 0ºC to +50ºC

Humidity: <95% non-condensing

Ordering Information
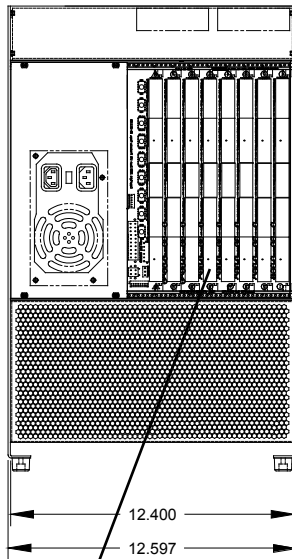
11-1011767-20X8

System Power
2 = 400W

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

Backplane Slots
8 = 8-slot, 2.1 (Rev. 3), Right-hand System Slot
9 = 8-slot, 2.16, Left-hand System Slot
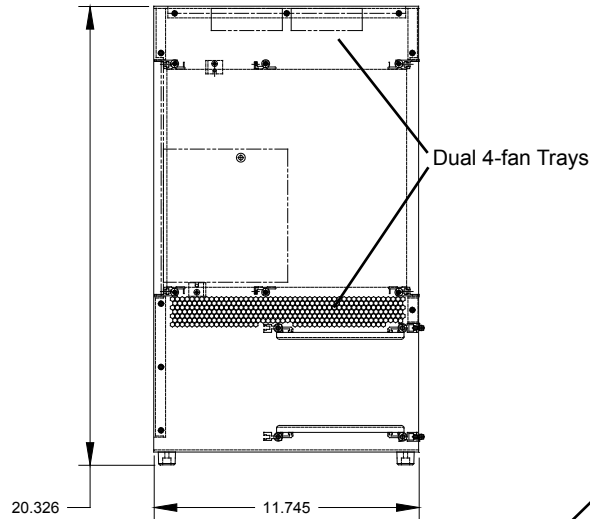
Bold indicates standard configuration
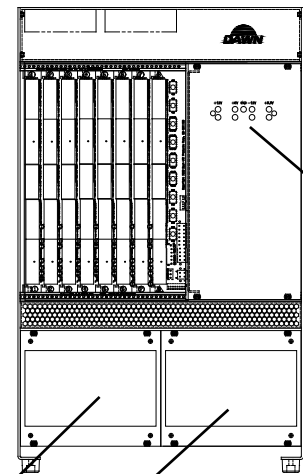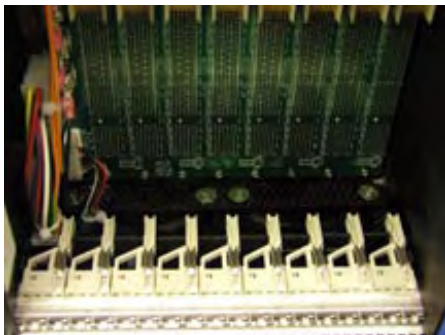
Enclosure Dimensions

Rear View

Side View

Front View

Dual 4-fan Trays

Output Voltage LEDs and Test Jacks

12.400

12.597

20.326

11.745

80mm T.M. Card Cage

Optional Dual 5.25" Full-Height Bays

Rear View of Enclosure:

cPCI Accessories from Dawn:

♦ VME64x Configurations Available (contact factory)
♦ System Health Monitor kit
♦ Peripheral Mounting Modules
♦ 3U and 6U Prototyping Boards
♦ Form-Factor Extender Boards (FFE)
♦ 1101.11 Filler Panels: 3U, 6U or 9U
♦ 1101.10 Front Panels: 3U, 6U or 9U