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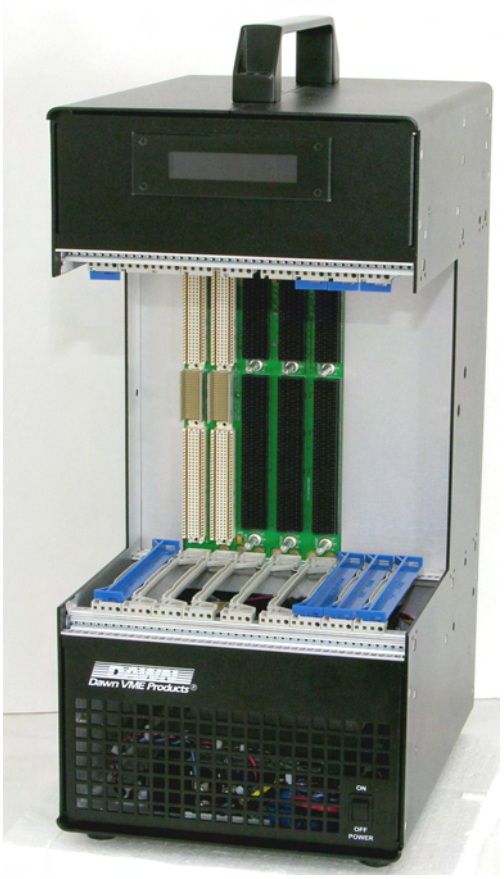
Development Chassis: Model DEV- 4117

Dawn VME Products

Another Performance Design from the Team at Dawn

Portable Multi-Platform Development System

Featuring 5-Slot Hybrid VME64x/VPX Backplane



Features

- 2-Slots of VME64x on .8" pitch and 3-Slots of VPX on 1" pitch with TM connectors on one backplane
- Backplane may be partially populated for cost savings
- Wedge-lock style card guides available as an option
- Dawn's ***RuSH***™ System Health Monitor and Controller with LCD Display
- ***RuSH***™ available with SNMP as an option
- 5-Slot, 6Ux160mm, 1101.10 compatible card cage
- 5-Slot, 6Ux80mm, 1101.11 compatible Transition Module card cage
- Choice of 400W to 1000W Power Supply (See rear side for supplies available)
- High-Performance Cooling with 8 fans in Push/Pull
- Front mounted power switch
- Table top rubber feet
- Fully assembled, wired and tested

Overview

Dawn's DEV-4117 Multi-Platform Table-Top Development Chassis for 6U boards coupled with Dawn's Hybrid VME64x/VPX backplane provides a natural migratory path and development environment for upgrading systems to the latest VPX technology.

The DEV-4117 allows plug-in of both convection or conduction cooled boards by addition of optional wedge-lock style metal card guides.

This portable chassis travels well between the bench top and the trade show, allowing you to demo your new boards.

Chassis side panels are removable for side board access and probing. Air flow through board area provides adequate cooling for even high power boards.

Onboard ***RuSH***™ System Health Monitor and Controller provides for monitoring and control of system environmental conditions, power supply and fans. On-board RS-232 and RJ-45 Ethernet connections allow for local and remote system control. SNMP is available as an option.

Specifications

Mechanical

Compatibility: Rails and card guides, IEEE 1101-10/11
VITA48 or VITA48.2 boards when used with optional wedge-lock style card guides
Material: Aluminum 5052-H32/6061-T6
Finish: Cardinal Industrial Finish: C241-BK01, Color: Black
Plating: Clear Alodine 1500
Dimensions: 20"H x 9.0"W x 11.75" D (With handle 22"H)
Weight: Estimated at 27lbs. (Depends on Power Supply)

Electrical

Compliance: VME64x compliant to ANSI-VITA 1.1-1997
VPX electrically compliant with VITA46.1
Power Input: Standard IEC connector, 15A power cord provided
Power Supply: See rear, Dawn offers a range of choices to meet customer requirements. If you provide a sum of your current requirements for each voltage, Dawn will provide a power system to meet your needs.
Power per Slot: Maximum allowable per platform spec.

Environmental

Storage Temperature: -20^{0}C to +85^{0}C
Operating Temperature: 0^{0}C to +50^{0}C
Humidity: <95% non-condensing
Cooling: Eight (8) 12VDC, 25CFM fans

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Rev. 0312/MB

Dawn VME Products

Ordering Information

P/N 11-1014100-XX Y Z

XX
Backplane Architecture

01 = VME64x, 8-slot, J1J0J2
02 = VME64x, *dual* 4-slot, J1J0J2
04 = VITA 41(VXS),8-slot,1Sw./7Payloads
07 = VME64x/VPX 2/3 Hybrid 5-slot
11 = cPCI 2.1, 8-slot, LH Sys., +3.3VI/O
12 = cPCI 2.1, 8-slot, LH Sys., +5VI/O
13 = cPCI 2.16,8-slot,LH, 5node;2fab,+3.3VI/O
14 = cPCI 2.16,8-slot,LH, 5node;2fab,+5VI/O

Y
Power Supply

1 = 400W* ATX, 100-240VAC, 50-60Hz, 3.3V/30A,5V/30A,12V/11.5A,-12V/1A
2 = 300W*Dual* ATX, 90-264VAC, 47-63Hz, 3.3V/20A,5V/30A,12V/16A,-12V/.8A (1unit)
3 = 800W Excelsys, 85-264VAC, 47-63Hz, 3.3V/50A,5V/40A,12V/5A,-12V/5A,48V/6A
4 =1000W Excelsys, 85-264VAC, 47-63Hz, 3.3V/90A,5V/75A,12V/20A,-12V/20A
5 = 400W AstecMP4, 85-264VAC, 120-350VDC, 47-440Hz, 3.3V/35A,5V/35A,12V/10A,-12V/4A
6 = 800W AstecMP8, 85-264VAC, 120-350VDC, 47-440Hz, 3.3V/60A,5V/120A,12V/10A,-12V/4A
*400W ATX or equivalent. (Combined total power from +3.3V and +5V rails shall not exceed 250W)

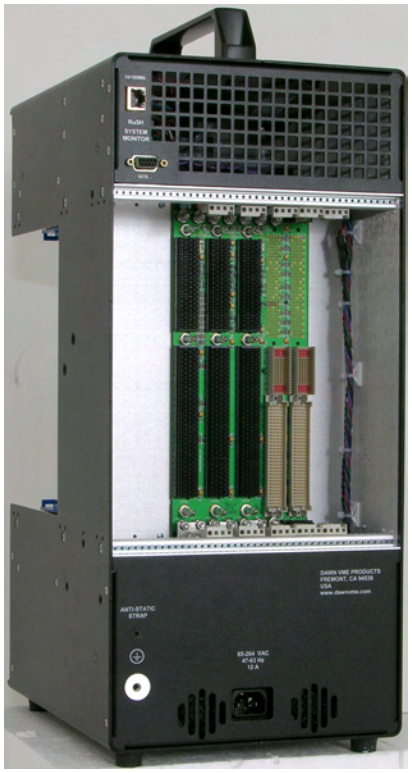
Z
***RuSH*™ System Monitor**

0 = Installed with LCD display
1 = Not Installed

(11-1014100-0730 Shown)



Front View



Rear View

Other Products from Dawn:

Card cages for commercial, aerospace and military applications
Enclosure 3D solid model design and production from commercial to full rugged military
Custom and Standard product PCB design, layout, production
***RuSH*™** Rugged system health monitor
Backplanes for **cPCI 2.1, cPCI 2.16, VME, VME64x, VXS, VPX, CUSTOM,** Build to Print
Powered Enclosures for Development, Prototype, Production, Deployment
Prototype Boards, Extender Boards, Form Factor Extenders
Front Panels, Filler Panels, Custom Panels, Build to Print Panels
Build to print machining, fabrication and assembly

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