

## 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°C to +85°C

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

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

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

## 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., +3.3V/I/O
- 12 = cPCI 2.1, 8-slot, LH Sys., +5V/I/O
- 13 = cPCI 2.16, 8-slot, LH, 5node;2fab,+3.3V/I/O
- 14 = cPCI 2.16, 8-slot, LH, 5node;2fab,+5V/I/O

### Y

#### Power Supply

- 1 = 100W\* ATX, 100-240VAC, 50-60Hz, 3.3V/HDA,5V/HDA,12V/FFSA,-12V/1A
  - 2 = 300W Dual ATX, 90-264VAC, 47-63Hz, 3.3V/20A,5V/30A,12V/16A,-12V/8A (1 unit)
  - 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
- \*100W CEYÁ1Á~3A) c (Combined total power from +3.3V and +5V rails shall not exceed 250W)

### Z

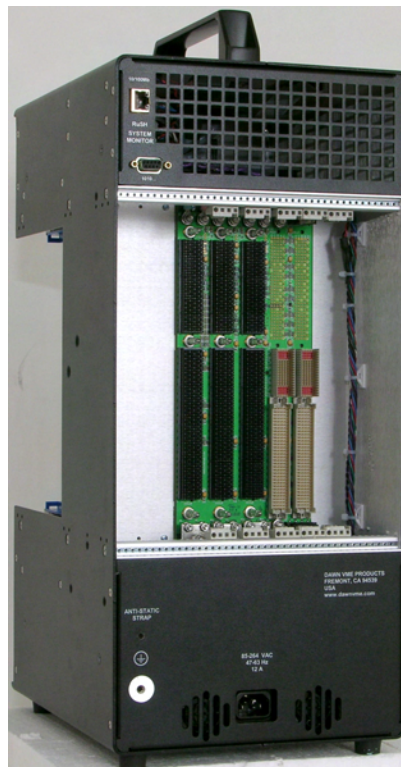
#### RuSH™ System Monitor

- 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