Dawn VME Products®

Development Chassis: 4100 Series

Multi-Platform Development System
Featuring *CompactPCI™,* VME64x or VITA Backplanes

Features

- Top mounted ergonomic carrying handle and table-top feet installed

- Weighs only 26 pounds fully loaded

- 8-slot 6Ux160mm, 1101.10 compatible front card cage

- 8-slot, 6Ux80mm, 1101.11 compatible rear direct plug-in Transition Module card cage

- Chassis left-hand and right-hand side panels are removable for access to solder-side and top-side components, respectively

- Dual fan trays provide aggressive "push-pull" cooling

- Choice of VME64x, the new VITA switched fabric architectures, or *CompactPCI™* backplanes. Dawn will also design a backplane to your specification.

- Keyed 1101.10/11 card guides featuring inject/eject; ESD clips available as an option (installed at Dawn)

- Dawn's *RuSH™* System Health Monitor with LCD display installed

- In addition to monitoring Model 4100's environmental conditions, the *RuSH™* System Health Monitor can locally or remotely turn on/off the power supply and fan trays, as well as automatically send E-mail and power down the chassis in the event of a system abnormality

- Choice of single 400W power supply or dual 200W power supplies for dual backplane configuration

- Overall dims: 20" H x 9.2" W x 12" D

- Attractive black color; Fully assembled, wired and tested

- Most configurations shipped same day

Internet Enabled!

Electrical Specifications

Maximum Power Draw: Maximum load all rails cannot exceed 400W

Power Supply Input: Voltage: 90~132 VAC / 180~264VAC Auto-switching
Current: 8.0A/115VAc, 5.0a/230VAC
Frequency: 47-63Hz
EMI: Compliant with FCC-B compliant; CE marked

Power Supply Output: (MAX) +5V @ 50A; +3.3V @ 30A; +12V @ 27A; -12V @ 3A

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

Power Supply Output Regulation: +/-5%

Power Supply Output Ripple: 3.3V or 5V = 100MV, 12V=150MV, -12V=200MV

Environmental

Storage Temperature: -20ºC to +85ºC

Operating Temperature: 0ºC to +50ºC

Humidity: <95% non-condensing

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

Mechanical Specifications

Material: H5052 Aluminum

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

Ordering Information

11-1014100-XXYZ

Backplane Architecture

01 = VME64X, 8-slot, J1-J2-J0
02 = VME64X, *dual* 4-slot, J1-J2-J0
03 = VITA 31.x, 8-slot, 1 switch/7 payloads
04 = VITA 41 (VXS), 8-slot, 1 switch/7 payloads

07 = VME64x/VPX 2/3 Hybrid 5-slot
11 = CompactPCI 2.1R3, 8-slot, LH Sys., +3.3 VI/O
12 = CompactPCI 2.1R3, 8-slot, LH Sys., +5 VI/O
13 = CompactPCI 2.16, single 8-slot, LH Sys., 5 nodes; 2 fabric (+3.3 VI/O)
14 = CompactPCI 2.16, single 8-slot, LH Sys., 5 nodes; 2 fabric (+5 VI/O)

All "dash" number options are single backplane configurations unless otherwise noted.

Power Supply

1 = 400W ATX
2 = Dual 250W, 1U ATX

RuSH™ System Monitor

0 = Installed, with LCD display
1 = Not Installed

Rear view showing 6Ux80mm Transition Module card cage

Front view shown with side access panels removed