

# 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

## Mechanical Specifications

**Material:** H5052 Aluminum

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

**RuSH™**  
µP Technology**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:** -20°C to +85°C

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

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

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



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**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