cPCIS-3320 Series

9U Dual System CompactPCI® Chassis with Redundant Power Supplies

Features

- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus for all peripheral slots
- PICMG® 2.1 Hot Swap compliant 64-bit CompactPCI® backplane with P3 & P5 rear I/O
- Dual cPCI segments (System A: 1 + 7 slots, System B: 1 + 4 slots)
- 3+1 (750 W + 250 W) hot swappable redundant power supplies with universal AC input
- Redundant cooling architecture
- Magnetic circuit breaker protection for AC input



Specifications

Enclosure

EIA RS-310C 19 9U high rackmount enclosure
Coated metal plate outer covering
Guarded power switch and reset button
Form Factor: 6U CompactPCI®

CompactPCI® Standards

2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.7 R1.0, 2.9 R1.0, 2.11 R1.0

Backplane

System A
cPCI Bus: 64-bit/33 MHz
System Slot: One
Peripheral Slot: Seven
H.110 CT Bus: Comply with all peripheral slots
Rear I/O: All slots support P3, P4, P5 rear I/O with AB-type shroud
V (I/O): 3.3 V or 5 V (default) selectable
CMM slot: One
Power Input: ATX connector x2, DC screw terminals

System B
cPCI Bus: 64-bit/66 MHz
System Slot: One
Peripheral Slot: Four
H.110 CT Bus: Comply with all peripheral slots
Rear I/O: All slots support P3, P4, P5 rear I/O with AB-type shroud
V (I/O): 3.3 V or 5 V (default) selectable
CMM slot: One
Power Input: ATX connector x2, DC screw terminals

Power Supply

Supports current sharing on 5 V, 3.3 V and 12 V
PICMG® 2.11 47-pin power interface
Power module: cPS-H325/AC x4

Max. Load*
+5 V: 132.0 A
+3.3 V: 132.0 A
+12 V: 22.0 A
-12 V: 4.0 A

Min. Load
+5 V: 6.0 A
+3.3 V: N/A
+12 V: N/A
-12 V: N/A

* Max. load is the continuous operating load of each rail individually. The Max. load of each rail cannot be drawn from all outputs simultaneously.

Alarm Module

Basic Alarm Module:
Monitors inner chassis temperature, voltage and fan status
Abnormal status will generate alarm and LED warning
Alarm reset
Drive Bay: Two 5.25 drive bays

Specifications

Cooling System

Two top blowers for ventilation:
Rated speed for each fan: 3150 RPM
Rated power for each fan: 6.12 W
Maximum Air Flow: 21.02 CFM (Call for Availability)

One top fan for ventilation:
Rated speed for each fan: 4000 ±500 RPM
Rated power for each fan: 2.64 W
Maximum Air Flow: 48.2 CFM

Five fans for front-access intake:
Rated speed for each fan: 4000 ±500 RPM
Rated power for each fan: 2.64 W
Maximum Air Flow: 48.2 CFM

Physical

Dimensions: 483.2 x 399 x 339.1 (mm, W x H x D, w/ handle)

Weight: 24.5 kg/53.9 lbs
(including redundant power supply and backplane only)

Operating Temp.

0˚C to 55˚C (dependent on system configurations)

Storage Temp.

-20˚C to 80˚C

Humidity

5% to 95%, non-condensing

Shock

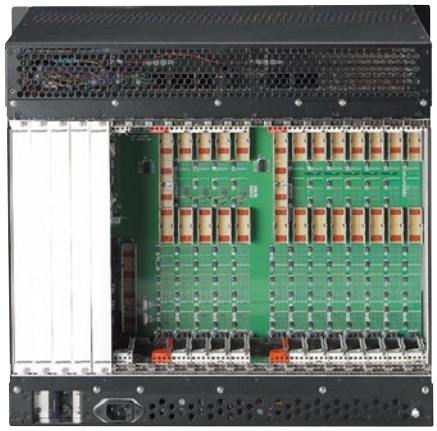
15 G peak-to-peak, 11 ms duration, non-operation

Vibration

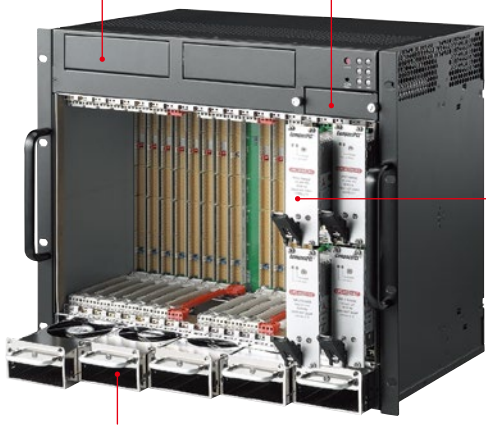
Non-operation: 1.88 Grms, 5-500 Hz, each axis

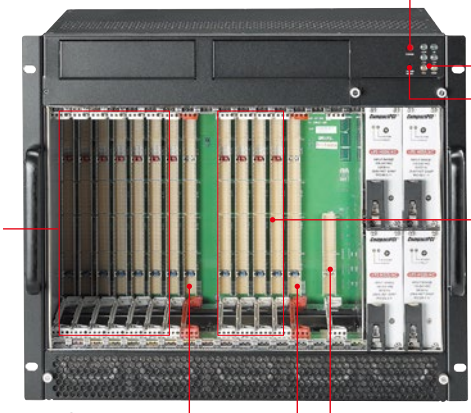
Operation: 0.5 Grms, 5-500 Hz, each axis, tested with 2.5” HDD

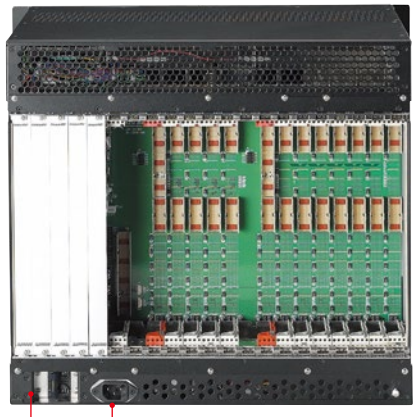
Mechanical Layout



Rear View







Recommended Configurations

- **cPCI-6530V, 6520, 6510V**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6200, cPCI-R6700(D), cPCI-R6500
- **cPCI-6930**
  cPCI-R6002(D), cPCI-R6100, cPCI-R6110, cPCI-R6200, cPCI-R6700(D)
- **cPCI-6530, 6510**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6210, cPCI-R6200, cPCI-R6700(D), cPCI-R6500
- **cPCI-6210, cPCI-6210D**
  cPCI-R6002, cPCI-R6002D, cPCI-R6100, cPCI-R6110, cPCI-R6200, cPCI-R6700(D), cPCI-R6500

Ordering Information

Model Number	cPCI Bus	PSU Type	CMM	PSU MAX	AC-INPUT	H.110	CD/DVD ROM	2.5 HDD Rack	3.5 HDD Rack	5.25 HDD Rack	Alarm Board
cPCIS-3320/AC	64-bit/66MHz	AT	--	4x 250W	1	Y	--	--	--	--	Basic Alarm Module
cPCIS-3320/AC/CMM	64-bit/66MHz	AT	Y	4x 250W	1	Y	--	--	--	--	--

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