

cPCIS-3330 Series

9U 8-slot CompactPCI® Chassis with Redundant Power Supplies

Features

- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32-bit or 64-bit 8-slot CompactPCI backplane with P3 & P5 rear I/O
- One cPCI segment, right-hand-side system slot
- 3+1 hot swappable 750 W + 250 W 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, 2.9 R1.0, 2.11 R1.0

Backplane

cBP-6108R
cPCI Bus: 32-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
Power Input: ATX connector x 3, DC screw terminals

cBP-6408R

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
Power Input: ATX connector x 3, 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 or cPS-H325/DC4 x4 (750 W+250 W redundant)
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

Alarm Module

LEDs indicate status of 5 V, 3.3 V
Basic Alarm: 12 V, and -12 V, fan, temperature

Module

Abnormal status will generate alarm and LED warning
Alarm reset

Drive Bay

Two 5.25", one 3.5", one slim-type optical drive bays

Specifications

Cooling System

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

Five fans for front-access ventilation:
Rated speed for each fan: 4000 $\pm$ 500 RPM
Rated power for each fan: 2.64 W
Maximum Air Flow: 48.2 CFM

Two fans for rear-access ventilation:
Rated speed for each fan: 2800 $\pm$ 250 RPM
Rated power for each fan: 2.9 W
Maximum Air Flow: 49 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 configuration)

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

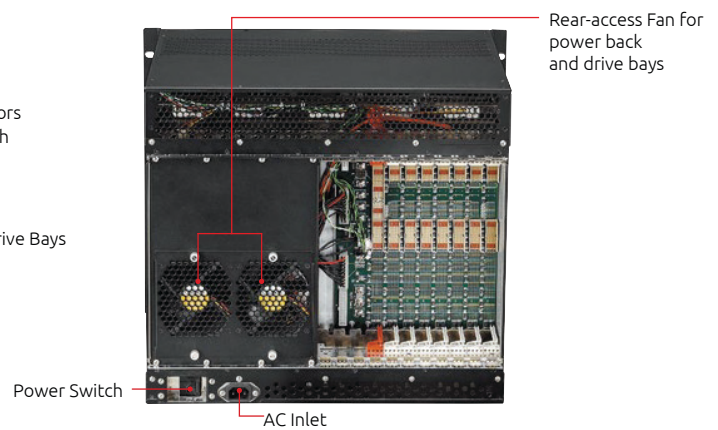
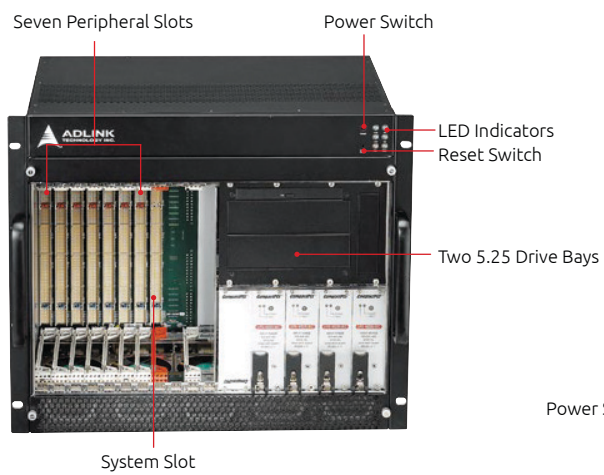
Operation: 0.5 Grms, 5-500 Hz, each axis, tested with 2.5" HDD

NEBS: Designed for NEBS Level 3

Mechanical Layout



Rear View



Recommended Configurations

cPCIS-3330/AC

- **cPCI-6615, cPCI-6615D**
cPCI-R6002
- **cPCI-6620, cPCI-6626**
None

cPCIS-3330/64/AC or cPCIS-3330/DC

- **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/DC	H.110	CD/DVD ROM	2.5 HDD Rack	3.5 HDD Rack	5.25 HDD Rack	Alarm Board
cPCIS-3330/AC	32-bit/33MHz	AT	--	4x 250W	1x AC	Y	--	--	1 Driver Bay	2 Driver Bays	Basic Alarm Module
cPCIS-3330/64/AC	64-bit/66MHz	AT	--	4x 250W	1x AC	Y	--	--	1 Driver Bay	2 Driver Bays	Basic Alarm Module
cPCIS-3330/64/AC/2PSU	64-bit/66MHz	AT	--	2x 250W	1x AC	Y	--	--	1 Driver Bay	2 Driver Bays	Basic Alarm Module
cPCIS-3330/64/DualAC/D500	64-bit/66MHz	AT	--	4x 250W	2x AC	Y	--	--	1 Driver Bay	2 Driver Bays	Basic Alarm Module
cPCIS-3330/64/DualAC	64-bit/66MHz	AT	--	--	2x AC	Y	--	--	1 Driver Bay	2 Driver Bays	Basic Alarm Module
cPCIS-3330/DC4	64-bit/66MHz	AT	--	4x250W (DC48)	1x DC	Y	--	--	1 Driver Bay	2 Driver Bays	Basic Alarm Module