

# 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

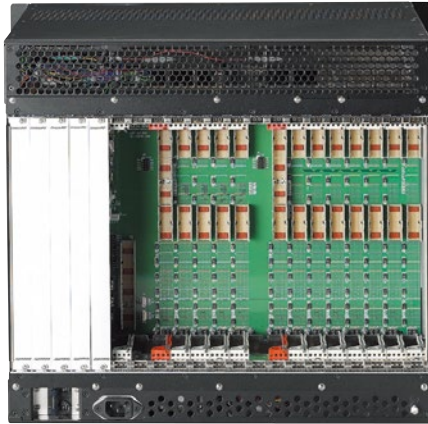
### Shock

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

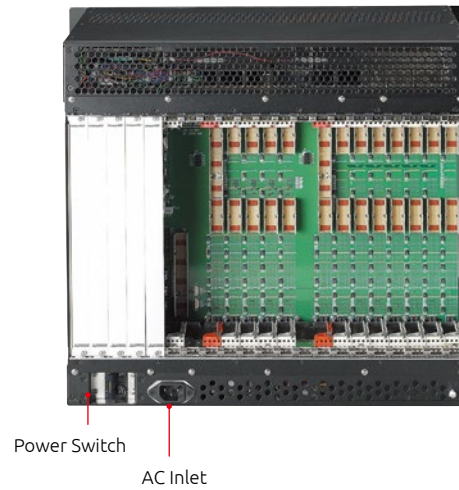
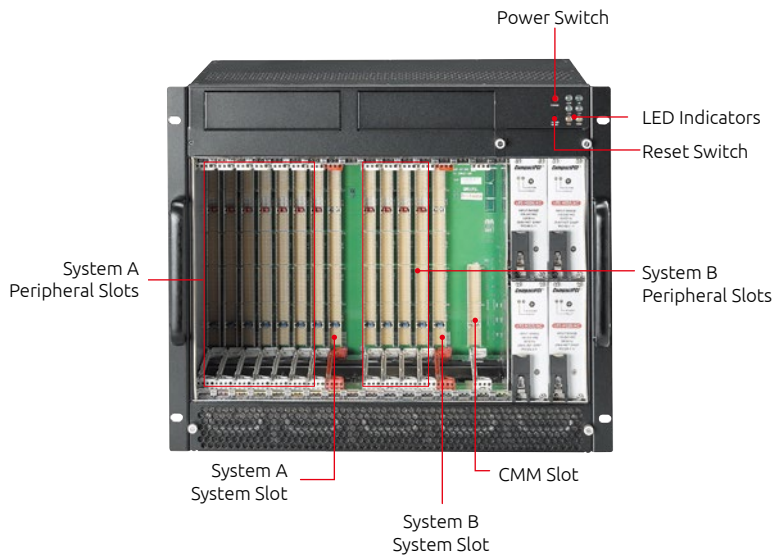
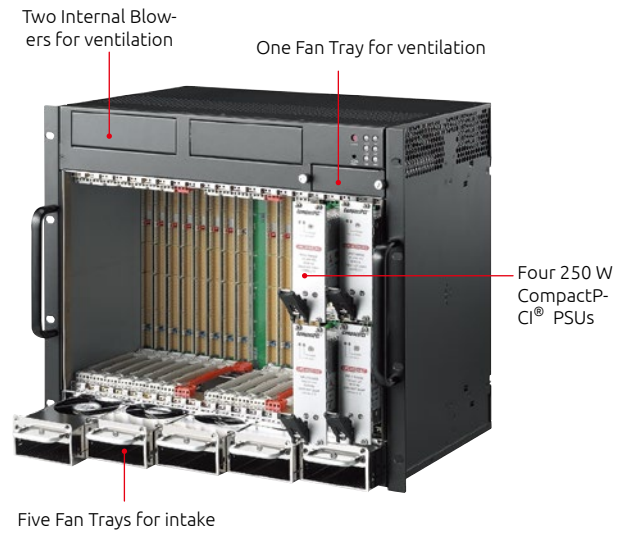
### Vibration

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	--	--	--	--	--