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/DC 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 ±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 ±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 ±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**
  - Seven Peripheral Slots
  - Power Switch
  - LED Indicators
  - Reset Switch
  - Two 5.25 Drive Bays
  - System Slot
- **Rear View (without components shown)**
  - Five Fan Trays for ventilation
  - Five Fan Trays for intake
  - Four 250 W CompactPCI® PSUs
  - Internal Air Filter
  - Rear-access Fan for power back and drive bays
  - AC Inlet
# 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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>CPCI Bus</th>
<th>PSU Type</th>
<th>CMM</th>
<th>PSU MAX</th>
<th>AC/DC</th>
<th>H.110</th>
<th>CD/DVD ROM</th>
<th>2.5 HDD Rack</th>
<th>3.5 HDD Rack</th>
<th>5.25 HDD Rack</th>
<th>Alarm Board</th>
</tr>
</thead>
<tbody>
<tr>
<td>cPCIS-3330/AC</td>
<td>32-bit/33MHz</td>
<td>AT</td>
<td>--</td>
<td>4x 250W</td>
<td>1x AC</td>
<td>Y</td>
<td>--</td>
<td>--</td>
<td>1 Driver Bay</td>
<td>2 Driver Bays</td>
<td>Basic Alarm Module</td>
</tr>
<tr>
<td>cPCIS-3330/64/AC</td>
<td>64-bit/66MHz</td>
<td>AT</td>
<td>--</td>
<td>4x 250W</td>
<td>1x AC</td>
<td>Y</td>
<td>--</td>
<td>--</td>
<td>1 Driver Bay</td>
<td>2 Driver Bays</td>
<td>Basic Alarm Module</td>
</tr>
<tr>
<td>cPCIS-3330/64/AC/2PSU</td>
<td>64-bit/66MHz</td>
<td>AT</td>
<td>--</td>
<td>2x 250W</td>
<td>1x AC</td>
<td>Y</td>
<td>--</td>
<td>--</td>
<td>1 Driver Bay</td>
<td>2 Driver Bays</td>
<td>Basic Alarm Module</td>
</tr>
<tr>
<td>cPCIS-3330/64/DualAC/DSU</td>
<td>64-bit/66MHz</td>
<td>AT</td>
<td>--</td>
<td>4x 250W</td>
<td>2x AC</td>
<td>Y</td>
<td>--</td>
<td>--</td>
<td>1 Driver Bay</td>
<td>2 Driver Bays</td>
<td>Basic Alarm Module</td>
</tr>
<tr>
<td>cPCIS-3330/64/DualAC</td>
<td>64-bit/66MHz</td>
<td>AT</td>
<td>--</td>
<td>--</td>
<td>2x AC</td>
<td>Y</td>
<td>--</td>
<td>--</td>
<td>1 Driver Bay</td>
<td>2 Driver Bays</td>
<td>Basic Alarm Module</td>
</tr>
<tr>
<td>cPCIS-3330/DC4</td>
<td>64-bit/66MHz</td>
<td>AT</td>
<td>--</td>
<td>4x250W (DC48)</td>
<td>1x DC</td>
<td>Y</td>
<td>--</td>
<td>--</td>
<td>1 Driver Bay</td>
<td>2 Driver Bays</td>
<td>Basic Alarm Module</td>
</tr>
</tbody>
</table>