cPCIS-6400U Series

4U 5-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 5-slot CompactPCI® backplane with P3 & P5 rear I/O
- PICMG® 2.11 Standard CompactPCI® 47-Pin Power Interface
- 2 + 1 hot swappable 500 W + 250 W redundant power supplies with universal AC input
- Built-in slim type optical drive
- Dual removable SATA HDD racks
- Guarded power switch and reset button
- Redundant power architecture

Specifications

Enclosure
EIA RS-310C 19" 4U high rackmount enclosure
Coated metal plate outer covering

CompactPCI® Standards
2.0 R3.0, 2.1 R2.0, 2.5 R1.0
Form Factor: 6U CompactPCI®

Backplane
cBP-6415U: 5-slot 64-bit/66 MHz 6U CT Bus Backplane
cBP-6105R: 5-slot 32-bit/33 MHz CT Bus Backplane

Power Supply
Supports up to 3 in-rack 3U cPCI 8HP power modules
Supports current sharing on 5 V, 3.3 V, and 12 V
PICMG® 2.11 47-pin power interface
Power module: cPS-H325/AC (250W each x3 redundant)

Basic Alarm Module
Monitors inner chassis temperature and fan status
Abnormal status will generate alarm and LED warning
Alarm reset
LED indicates status of 5 V, 3.3 V, 12 V, and -12 V

Cooling System
Front-access hot-swappable fan tray for intake:
- 12 V DC brush-less, precise dual-ball bearing
- One 150 CFM fan for in-take
- Rated speed for each fan: 4000 ±250 RPM
- Rated power for each fan: 17.4 W
Removable fan module for ventilation:
- 12 V DC brush-less, VAPO bearing
- Four 9.46 CFM fans for ventilation
- Rated speed for each fan: 8000 ±1000 RPM
- Rated power for each fan: 1.8 W

Rear-access hot-swappable fan modules for drive bays:
- 12 V DC brush-less, VAPO bearing
- Two 10.8 CFM fan modules for ventilation
- Rated speed for each fan: 8200 ±1000 RPM
- Rated power for each fan: 1.6 W

Rear-access hot-swappable fan modules for ventilation:
- 12 V DC brush-less, VAPO bearing
- One 110 CFM fan for ventilation
- Rated speed for each fan: 4800 ±250 RPM
- Rated power for each fan: 12 W

Drive Bay
Built-in one slim type optical drive
Dual removable 3.5" SATA HDD racks
Dimensions: 482.6 x 177.0 x 350.6 (mm, W x H x D, w/ handle)
Weight: 14.5 kg/32 lbs (including 280 W ATX power supply and backplane)

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
Recommended Configurations

cPCIS-6400UA
- cPCI-6520, cPCI-6530(V)
  - cPCI-R6110*, cPCI-R6200, cPCI-R6700, cPCI-R6500
- cPCI-6930
  - cPCI-R6002D*, cPCI-R6110*, cPCI-R6200, cPCI-R6500
- cPCI-6510, cPCI-6510V
  - cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*, cPCI-R6500
- cPCI-6210, cPCI-6210D
  - cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*

cPCIS-6400USS
- cPCI-6530, cPCI-6530V
  - cPCI-R6200
- cPCI-6520
  - cPCI-R6200
- cPCI-6930
  - cPCI-R6200
- cPCI-6510, cPCI-6510V
  - cPCI-R6200
- cPCI-6210, cPCI-6210D
  - cPCI-R6200

*A 22-pin to 7-pin SATA cable is required for connecting the 3rd SATA interface

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-INPUT</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>
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</thead>
<tbody>
<tr>
<td>cPCIS-6400UA/AC/SDVD</td>
<td>64-bit/66MHz</td>
<td>AT</td>
<td>--</td>
<td>3x 250W</td>
<td>1</td>
<td>Y</td>
<td>1x SATA DVD</td>
<td>--</td>
<td>2x SATA</td>
<td>--</td>
<td>Basic Alarm Module</td>
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<tr>
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<td>Buzzer, Web UI, SNMPV2</td>
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