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 cooling 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

Cooling System (cont'd)
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

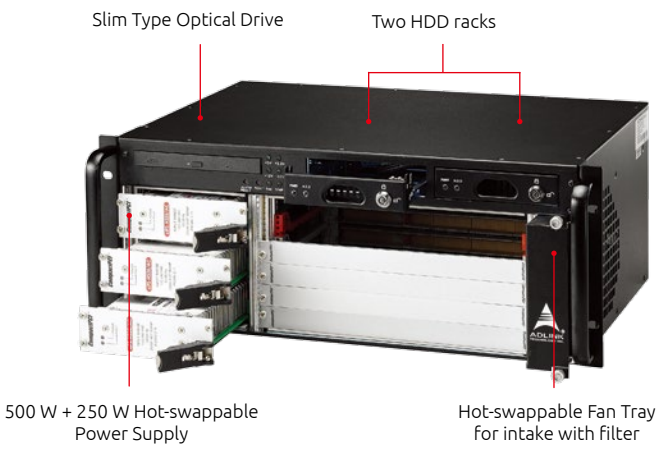
Humidity
5% to 95%, non-condensing

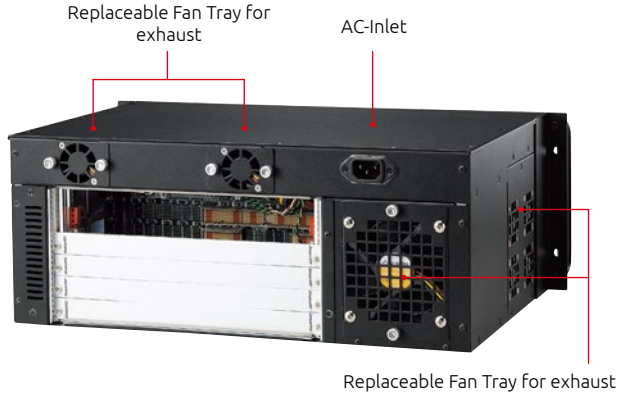
Shock
15 G peak-to-peak, 11 ms duration, non-operation

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

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Mechanical Layout





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

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-6400UA/AC/SDVD	64-bit/66MHz	AT	--	3x 250W	1	Y	1x SATA DVD	--	2x SATA	--	Basic Alarm Module
cPCIS-6400UA/AC/SDVD/WM	64-bit/66MHz	AT	--	3x 250W	1	Y	1x SATA DVD	--	2x SATA	--	Buzzer, Web UI, SNMPV2
cPCIS-6400USS/SDVD	64-bit/66MHz	AT	--	3x 250W	1	Y	1x SATA DVD	--	2x SAS	--	Basic Alarm Module

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