cPCIS-6400X Series

4U 5-slot CompactPCI® Chassis with 400 W Power Supply

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
- Built-in 400 W AC-input ATX power supply
- 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-6405R: 5-slot 64-bit 66 MHz 6U cPCI CT Bus Backplane

Power Supply
APS940XA: 400 W ATX power supply with cooling fan
AC Input: Auto range, 90-130 V AC and 180-260 V
AC 47-63 Hz
DC Output: 35 A @ +5 V, 25 A @ +3.3 V, 30 A @ +12 V,
1A @ -12 V (+5 Vsb and -5 V are not used in cPCI system)
The total output current of the 5 V & 3.3 V source must not exceed 45 A
Maximum total output for all DC: 400 W
Efficiency: 65% at 115 V, full load
Protection: Over load protection: 110%-140%
Over voltage protection on +5 V
Short circuit protection: each voltage output
Over temperature protection: 70
De-rating: De-rating temperature: 40
De-rating rate: 20
Certifications: UL 1950/ CSA22.2 No.234
TUV EN-60950 "B"
IEC-801-2, 3, 4, 5
FCC part 15 Class A, CISPR 22 (EN55022)

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

Cooling System
Front-access hot-swappable fan tray for ventilation:
• 12 V DC brushless, dual ball bearing
• One fan for intake and one fan for ventilation with 51 CFM each
• Rated speed for each fan: 3600 ±250 RPM
• Rated power for each fan: 2.8 W
Rear-access hot-swappable fan modules for drive bays:
• 12 V DC brushless, VAPO bearing
• Three 10.8 CFM fan modules for ventilation
• Rated speed for each fan: 8200 ±1000 RPM
• Rated power for each fan: 1.6 W

Drive Bay
Built-in 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 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

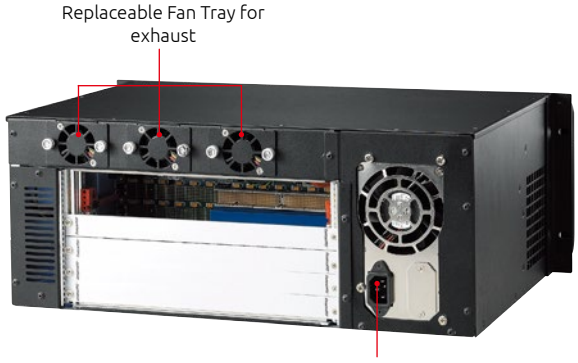
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Mechanical Layout



Rear View





Recommended Configurations

- **cPCI-6520, cPCI-6530(V)**
  cPCI-R6110*, cPCI-R6200, cPCI-R6700(D), cPCI-R6500
- **cPCI-6930**
  cPCI-R6110*, cPCI-R6200, cPCI-R6700(D), cPCI-R6500
- **cPCI-6510, cPCI-6510V**
  cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*, cPCI-R6700(D), cPCI-R6500
- **cPCI-6210, cPCI-6210D**
  cPCI-R6002D*, cPCI-R6110*, cPCI-6200*, cPCI-R6700(D)

*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-6400XA/SDVD	64-bit/66MHz	ATX	--	400W	1	Y	1x SATA DVD	--	2x SATA	--	Basic Alarm Module

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