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

Recommended Configurations

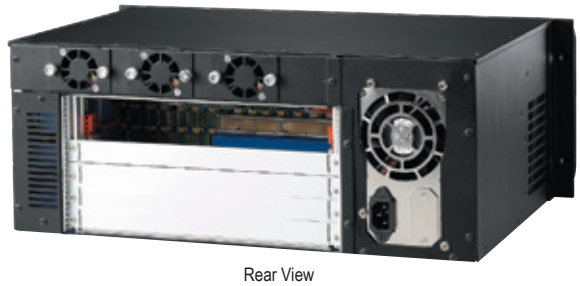
CPU Board (System slot)	Rear I/O Board
cPCI-6510, cPCI-6510V	cPCI-R6002D*, cPCI-R6110*, cPCI-6200*, cPCI-R6700D
cPCI-6880, cPCI-6880P	cPCI-R6002D*, cPCI-R6110*, cPCI-6200*, cPCI-R6700D
cPCI-6210, cPCI-6210D	cPCI-R6002D*, cPCI-R6110*, cPCI-6200*, cPCI-R6700D

*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

Mechanical Layout



Rear View

