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

Recommended Configurations

CPU Board (System slot)	Rear I/O Board
cPCIS-6400UA	
cPCI-6510, cPCI-6510V	cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*, cPCI-R6700(D)
cPCI-6880, cPCI-6880P	cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*, cPCI-R6700(D)
cPCI-6210, cPCI-6210D	cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*, cPCI-R6700(D)
cPCIS-6400USS	
cPCI-6510, cPCI-6510V	cPCI-R6200
cPCI-6880, cPCI-6880P	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

Mechanical Layout



Rear View



