

# cPCIS-6400U Series

4U 5-slot CompactPCI® Chassis with Redundant Power Supplies •



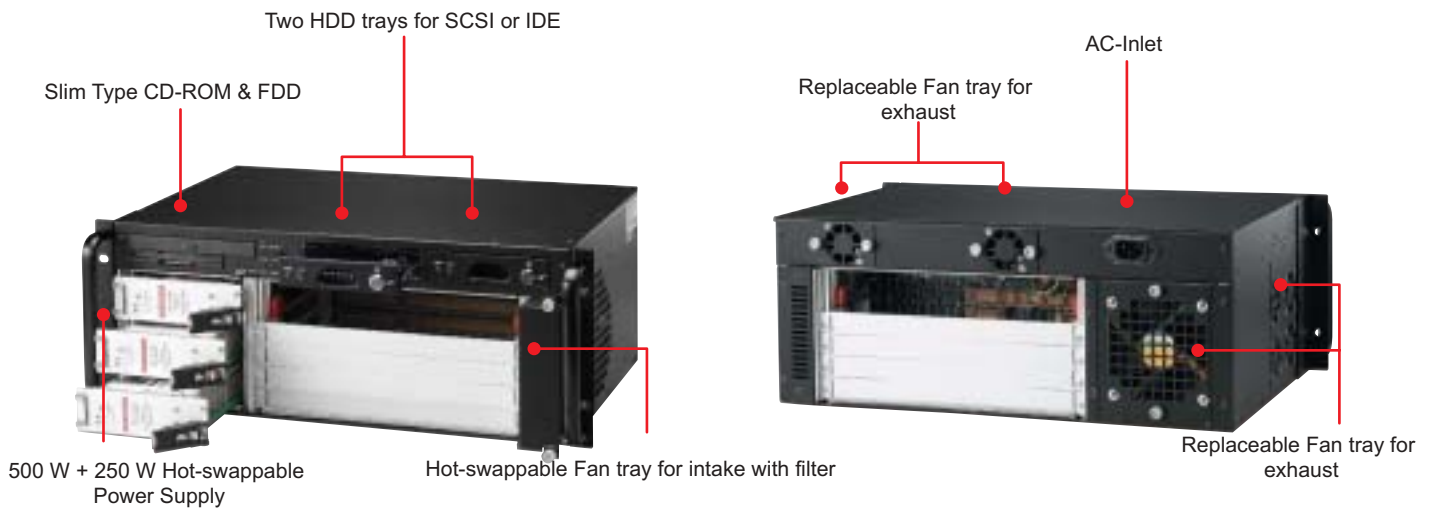
Front View

Rear View



## 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 Interface
- Two + One hot swappable 500 W + 250 W redundant power supplies with universal
- Built-in slim type floppy and slim type EIDE CD-ROM
- Dual-removable ATA HDD racks and SCSI HDD racks
- Guarded power switch and reset button
- Redundant cooling architecture



# cPCIS-6400U Series

## 4U 5-slot CompactPCI® Chassis with Redundant Power Supplies

### 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 cPCI
Backplane	cBP-6415U: 5-slot 64-bit 6U CT Bus Backplane
	cBP-6105R: 5-slot 32-bit 6U 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 Available power module: cPS-H325/AC
Basic Alarm Module	Monitors inner chassis temperature and fan status Abnormal status will generate alarm and LED warning Alarm reset
	LED showing power voltage status on 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 (model dependent)	Built-in one slim type floppy, one slim type EIDE CD-ROM
	Dual-removable ATA-100 3.5" HDD racks or 80-pin SCAII SCSI HDD racks or SATA HDD rack
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 (depending on system configurations)
Storage Temp.	-20°C to 80°C
Humidity	5% to 95%, non-condensed
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	Design for NEBS Level 3

### Product Matrix

	IDE	SCSI	SATA
32-bit Backplane	cPCIS-6400U/32/AC		
64-bit Backplane	cPCIS-6400U/AC	cPCIS-6400US/AC	cPCIS-6400UA/AC

### Ordering Information

cPCIS-6400U/32/AC	4U CompactPCI® Sub-system, 5-slot 32-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, Dual-ATA HD Racks
cPCIS-6400U/AC	4U CompactPCI® Sub-system, 5-slot 64-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, Dual-ATA HD Racks
cPCIS-6400US/AC	4U CompactPCI® Sub-system, 5-slot 64-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, Dual-SCSI HD Racks
cPCIS-6400UA/AC	4U CompactPCI® Sub-system, 5-slot 64-bit, RIO Config with three cPS-H325/AC PSU, CD, FDD, SATA Hot-swap Racks

Note: All models above do not include any system or peripheral board.

### Recommended Configurations

CPU Board (System slot)	Rear I/O Board
<b>cPCIS-6400U/32/AC</b>	
cPCI-6780V, cPCI-6780VS, cPCI-6780S	cPCI-R6780S, cPCI-R6780V
cPCI-6841	
<b>cPCIS-6400U/AC or cPCIS-6400US/AC or cPCIS-6400UA/AC</b>	
cPCI-6780V, cPCI-6780VS, cPCI-6780S	cPCI-R6780S, cPCI-R6780V
cPCI-6860A	
cPCI-6811AA (1)	cPCI-R6820
cPCI-6820AA, cPCI-6820AB (1)	cPCI-R6820
cPCI-6840, cPCI-6840V (1)	cPCI-R6840, cPCI-R6841
cPCI-6841	
cPCI-6910 (2)	
cPCI-R6911	

Note 1: Does not support FDD.

Note 2: Recommended Chassis: cPCIS-6400US/AC

1  
AdvancedTCA  
Products

2  
6U cPCI  
SBC

3  
6U cPCI  
Platforms

4  
3U cPCI  
SBC

5  
3U cPCI  
Platforms

6  
SBC & IMB

7  
Industrial  
Chassis

8  
Computer  
On Modules

9  
Network  
Security  
Appliances

10  
Panel PC

11  
IPC  
Accessories