

# cPCIS-6400U series

## 4U Rackmount Chassis with Redundant Power Modules



**cPCIS-6400U**

### 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
- One cPCI segment, upper-side system slot
- PICMG 2.11 Standard CompactPCI 47-Pin Interface
- 2+1 hot swappable 500W+250W redundant power supply with Universal AC input
- Built-in slim type floppy and slim type EIDE CD-ROM (model dependent)
- Dual removable ATA HDD racks or SCSI HDD racks
- Guarded power switch and reset button
- Redundant cooling architecture
- Designed for NEBS Level 3 installation

### Applications

- High availability mission critical applications
- High performance technical computing for scientific or image processing
- Media Gateway
- Signaling Gateway
- Multi-access switch
- MSC/ BSC/ RNC
- HLR/ VLR

### Specifications

CompactPCI Standards	2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.9 R1.0, 2.11 R1.0
Form Factor	6U cPCI
Enclosure	EIA RS-310C 19" 4U high rack-mount enclosure Coated metal plate outer covering Guarded power switch and reset button
Basic Alarm Module	Monitoring inner chassis temperature, fan status Abnormal status will generate alarm and LED warning Alarm reset (silence of beeper) LED indications show power voltage status on 5V, 3.3V, 12V and -12V
Cooling System	Front-access hot-swappable fan tray for in-take: 12V DC brush-less, precise dual ball bearing One 90 CFM fan for in-take Rated speed for each fan: 3100 ± 250 RPM Rated power for each fan: 4.8W
	Removable fan module for ventilation: 12V DC brush-less, VAPO bearing Four 4.9 CFM fans for ventilation Rated speed for each fan: 5500 ± 1000 RPM Rated power for each fan: 0.6W
	Rear-access hot-swappable fan modules for drive bays: 12V 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: 1.6W
	Rear-access hot-swappable fan modules for ventilation: 12V DC brush-less, VAPO bearing One 51 CFM fan for ventilation Rated speed for each fan: 3600 ± 250 RPM Rated power for each fan: 2.8W

Drive Bay (model dependent)	Built-in one slim type floppy, one slim type EIDE CD-ROM Dual removable ATA-100 3.5" HDD rack or 80-pin SCSI HDD rack
Power Supply	Supports up to 3 in-rack 3U cPCI 8HP power modules Supports current sharing on 5V, 3.3V and 12V PICMG 2.11 47-pin power interface Available power module: cPS-H325/AC (250W redundant each)
Backplane	cBP-6105R: 5-slot 32-bit 6U cPCI CT Bus Backplane cBP-6405R: 5-slot 64-bit 6U cPCI CT Bus Backplane
Dimensions	482.6 x 177.0 x 296.2 (mm, WxHxD, w/o handle)
Weight	14.5 Kg (including 500W + 250W redundant power supply and backplane)
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 80°C
Humidity	5% to 95%, non-condensed
Shock	15G peak-to-peak, 11ms duration, non-operation
Vibration	Non-operation: 1.88Grms, 5-500Hz, each axis Operation: 0.5Grms, 5-500Hz, each axis, test with 2.5" HDD
NEBS	Design for NEBS Level 3

CompactPCI Solutions

### Ordering Information

Model number	Description/Configuration
cPCIS-6400U/AC	4U Height Sub-system for 6U cPCI, 5-slot, 64-bit, RIO Config with CD, FDD, Dual ATA HD Rack, with 3 cPS-H325/AC PSU, Univ. AC Input
cPCIS-6400US/NCD/AC	4U Height Sub-system for 6U cPCI, 5-slot, 64-bit, RIO Config with FDD, Dual SCSI HD Rack, with 3 cPS-H325/AC PSU, Univ. AC Input, w/o CD-ROM

Note: EMC blank panels are optional. All models above do not include any system or peripheral board.