

cPCIS-6400X series

4U Rackmount Chassis for 6U cPCI Cards with ATX Power



cPCIS-6400X

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
- Built-in 280W AC-input ATX power supply, 48VDC is optional
- 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

- Starting platform for developing cPCI 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
Form Factor	6U cPCI with 80 mm depth rear I/O
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 and ventilation: 12V DC brush-less, dual ball bearing One fan for in-take and one fan for ventilation with 51 CFM/each. Rated speed for each fan: 3600 ± 250 RPM Rated power for each fan: 2.8W Rear-access hot-swappable fan modules for drive bays: 12V DC brush-less, VAPO bearing Three 10.8 CFM fan modules for ventilation Rated speed for each fan: 8200 ± 1000 RPM Rated power for each fan: 1.6W
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	APS-925XA: 280W ATX power supply with cooling fan AC Input Auto range, 90~130VAC and 180~260VAC 47~63Hz DC Output 30A @ +5V, 15A @ +3.3V, 15A @ +12V, 1A @ -12V (+5Vsb and -5V are not used in cPCI system) Maximum total output for +5V and +3.3V: 150W Maximum total output for all DC: 280W Efficiency: 65% at 115V, full load

Protection	Over load protection: 110% ~ 140% Over voltage protection on +5V Short circuit protection: each voltage output Over temperature protection: 70°C
De-rating	De-rating temperature: 40°C De-rating rate: 2%/°C
Safety or Certificate	UL 1950/ CSA22.2 No.234 TUV EN-60950 "B" IEC-801-2,3,4,5 FCC part 15 Class A, CISPR 22 (EN55022) Optional 48VDC model available for big quantity OEM project
Backplane	cBP-6105R: 5-slot 32-bit 6U cPCI CT Bus Backplane cBP-6405R: 5-slot 64-bit 6U cPCI CT Bus Backplane
Dimension	482.6 x 177.0 x 296.2 (mm, WxHxD, w/o handle)
Weight	14.5 Kg (including 280W ATX 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
Safety or Certificate	FCC class A, HALT
NEBS	Design for NEBS Level 3

Ordering Information

Model number	Description/Configuration
cPCIS-6400X	4U Height Sub-system for 6U cPCI, 5-slots, 64-bit, RIO Config with CD, FDD, Dual ATA HD Rack, with 280W AC Input ATX power supply
cPCIS-6400X/32	4U Height Sub-system for 6U cPCI, 5-slots, 32-bit, RIO Config with CD, FDD, Dual ATA HD Rack, with 280W AC Input ATX power supply
cPCIS-6400XS/NCD	4U Height Sub-system for 6U cPCI, 5-slots, 64-bit, RIO Config with FDD, Dual SCSI HD Rack, with 280W AC Input ATX power supply, w/o CD-ROM
cPCIS-6400SP	Turn-key Starting Platform Constructed of cPCIS-6400X with cPCI-6780V, cPCI-R6780V, Pentium-III-866, 256MB RAM and 40GB Removable 3.5" ATA HDD

Note: EMC blank panels are optional. All models above except cPCIS-6400SP do not include any system or peripheral board.