cPCIS-6235R Series

2U Rackmount Chassis with Dual AC-Input Mini Redundant Power Supplies

Features

- 19” Rackmount, 2U height for 6U cPCI boards with 80 mm rear I/O
- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32/64-bit 3-slot CompactPCI® backplane with P3 & P5 rear I/O
- Built-in 300 W + 300 W Dual AC-input mini redundant power supply units
- LED indicators for power status, fan status, temperature alarm



Specifications

Enclosure
EIA RS-310C 19” 2U high Rackmount enclosure
Coated metal plate outer covering
Guarded power switch and alarm reset button

CompactPCI® Standards
2.0 R3.0, 2.1 R2.0, 2.5 R1.0
Form Factor: 6U CompactPCI® with 80 mm depth rear I/O

Backplane
cBP-6103R: 3-slot 32-bit 6U cPCI CT bus backplane
cBP-6403R: 3-slot 64-bit 6U cPCI CT bus backplane
cBP-6403R/N110: 3-slot 64-bit 6U cPCI without CT bus backplane

Power Supply
300 W +300 W dual AC-input mini redundant power supplies with cooling fan
Active PFC (full range), meets IEC-1000-3-2 CLASS D
Dual-AC inlet with EMI noise filter: FCC Class B, CISPR22 Class B
Cooling: Two 40 mm DC fans per module
AC Input: Full Range, 100~220 VAC (±10%)
Frequency Range: 47-63 Hz
DC Output: 32 A @ +5 V, 20 A @ +3.3 V, 16 A @ +12 V,
0.8 A @ -12 V, 0.5 A @ -5 V, 1.5 A @ +5 Vsb
Maximum Total Output for +5 V and +3.3 V: 35 A
Maximum Total Output for +5 V, +3.3 V and +12 V: 285 W
Efficiency: 63% at 115 V, full load
Temperature Range: Operating 0˚C to 40˚C, Storage -20˚C to 80˚C
Certifications: UL 1950, CSA 22.2 NO/ 950, TÜV IEC 950
Dimensions: 220 x 120 x 85 (mm, H x W x D)

LED Indicators
Six LEDs indicate power voltage status on +3.3 V, +5 V, +12 V and -12 V, fan status and temperature alarm

Cooling System
Front access hot swappable fan tray with three fan modules for exhaust
• Fan type: 12 V DC brushless
• Rated speed: 4000 RPM
• Rated current: 0.22 A (Max 0.33 A)
• Max air flow: 48.2 CFM
• Acoustical noise: 41 dBA
• MTBF: 70,000hrs
• Three LEDs indicate fan status
Dimensions: 484.1 x 88.1 x 358.8 (mm, W x H x D, w/ handle)
Weight: 17.1 kg/38 lbs

Operating Temp.
0˚C to 40˚C

Storage Temp.
-20˚C to 80˚C

Humidity
5% to 95%, non-condensing

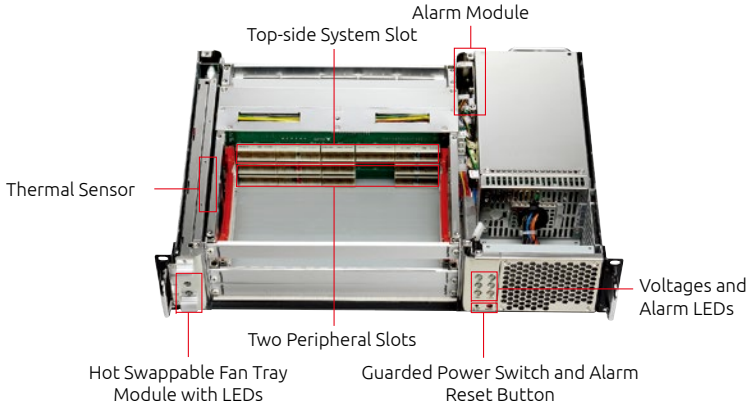
Shock
15 G peak to peak, 11 ms duration, non-operation

Vibration
Non-operation: 1.88 Grms, 5-500 Hz,each axis
Operation: 0.50Grms, 5-500Hz, each axis, tested with 2.5” HDD

Mechanical Layout



Rear View



Recommended Configurations

cPCIS-6235R

- **cPCI-6615, cPCI-6615D**
  cPCI-R6002

cPCIS-6235R/64

- **cPCI-6530V, 6520, 6510**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6200, cPCI-R6700, cPCI-R6500
- **cPCI-6930**
  cPCI-R6002(D), cPCI-R6100, cPCI-R6110, cPCI-R6200, cPCI-R6700(D)
- **cPCI-6530, 6510**
  cPCI-R6002(D), cPCI-R6110, cPCI-R6200, cPCI-R6700(D), cPCI-R6500
- **cPCI-6210, cPCI-6210D**
  cPCI-R6002D, cPCI-R6110, cPCI-R6200, cPCI-R6700(D)

Ordering Information

Model Number	cPCI Bus	PSU Type	CMM	PSU MAX	AC-INPUT	H.110	Alarm Board
cPCIS-6235R	32-bit/33MHz	ATX	--	300W	2	Y	Basic Alarm Module
cPCIS-6235R/64	64-bit/66MHz	ATX	--	300W	2	Y	Basic Alarm Module
cPCIS-6235R/64/N110	64-bit/66MHz	ATX	--	300W	2	N	Basic Alarm Module

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