

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 32/64bit 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, 90-264VAC 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° to 40°C, Storage -20° 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 air exhaust <ul style="list-style-type: none"> • 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° to 40°C
Storage Temp.	-20° 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: 0.50Grms, 5-500Hz, each axis, tested with 2.5" HDD

Ordering Information

Modules

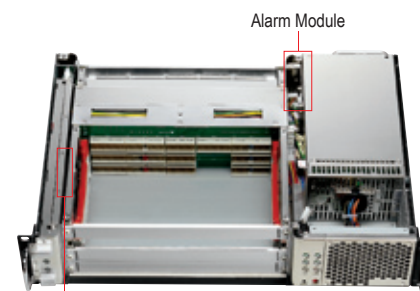
Model Number	Description/Configuration
cPCIS-6235R	3-slot 2U 32-bit sub-system with 300 W + 300 W dual-AC input mini redundant PSU and hot swappable fan tray
cPCIS-6235R/64	3-slot 2U 64-bit sub-system with 300 W + 300 W dual-AC input mini redundant PSU and hot swappable fan tray
cPCIS-6235R/64/N110	3-slot 2U 64-bit sub-system with 300 W + 300 W dual-AC input mini redundant PSU and hot swappable fan tray without H.110 CT bus backplane

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

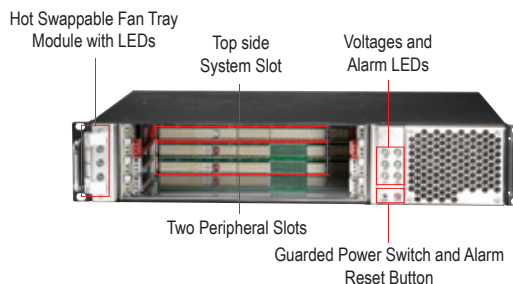
Mechanical Layout



Rear View



Thermal Sensor



Hot Swappable Fan Tray Module with LEDs

Top side System Slot

Voltages and Alarm LEDs

Two Peripheral Slots

Guarded Power Switch and Alarm Reset Button