

# cPCIS-6235R Series

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



## 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 Safety and Certificate 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 Fan type: 12 V DC brushless Rated speed: 4000 RPM Rated current: 0.22 (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-condensed
Shock	15 G peak to peak, 11 ms duration, non-operation
Vibration	Non-operation: 1.88 Grms, 5-500 Hz, each axis Operation: 0.50 Grms, 5-500 Hz, each axis, tested with 2.5" HDD

## Features

- 19" Rackmount, 2U height for 6U cPCI boards with 80 mm rear I/O
- Suitable for one dual-slot system module with two expansion boards
- 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
- Redundant cooling architecture with monitoring LED
- Alarm module for chassis temperature and fan status monitoring
- LED indicators for power status, fan status, temperature alarm
- Guarded power switch and alarm reset button

## Ordering Information

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

