



Features

- 19" rackmount, 2U height for 6U cPCI boards with 80 mm rear I/O
- Suitable for one dual-slot system module (cPCIS-6230R Series) or one single-slot system board with three expansion boards (cPCIS-6240R Series)
- Standard 6U CompactPCI® and optional PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32-bit/64-bit 3-slot/4-slot CompactPCI® backplane with P3 & P5 rear I/O
- Built-in 300 W AC input 1U ATX power supply
- Built-in slim type floppy and slim type CD-ROM
- Internal space for one 2.5" HDD drive bay and one 3.5" HDD drive bay
- Guarded power switch and reset button

Specifications

Enclosure	EIA RS-310C 19" 2U high rackmount enclosure Coated metal plate outer covering Guarded power switch and reset button
Form Factor	6U cPCI with 80 mm depth rear I/O
CompactPCI® Standards	2.0 R3.0, 2.1 R2.0, 2.5 R1.0
Backplane	cBP-6103R (cPCIS-6230R): 3-slot 32-bit CT Bus Backplane cBP-6104R (cPCIS-6240R): 4-slot 32-bit CT Bus Backplane cBP-6403R (cPCIS-6230R/64): 3-slot 64-bit CT Bus Backplane cBP-6403R/N110 (cPCIS-6230R/64/N110): 3-slot 64-bit Backplane w/o H.110 CT Bus
Power Supply	300 W 1U ATX power supply with cooling fan
AC Input	Full range, 100-240VAC (with +/- 10% tolerance) Frequency range: 50-60Hz (+/- 3Hz)
DC Output	24 A @ +5 V, 20 A @ +3.3 V, 20 A @ +12 V, 0.5 A @ -12 V (+5 Vsb and -5 V are not used in cPCI system) Maximum total output for +5 V and +3.3 V: 170 W Maximum total output for all DC: 284 W Efficiency: 65% at 115 V, full load
Protection	Over load protection: 110% - 160% Over voltage protection on +5 V, +3.3 V, +12 V Short circuit protection: each voltage output Over temperature protection: 70°C
Certifications	FCC class B, CISPR22 class B UL 1950, CSA22.2 No.950 TÜV IEC 950
	Optional 48 V DC model is available for OEM program

Basic Alarm Module	LEDs indicate power voltage status on 5 V, 3.3 V, 12 V and -12 V
Cooling System	Four cooling fans for intake and exhaust on boards: <ul style="list-style-type: none"> • 12 V DC brushless • Two fans for intake and two fans for exhaust with 30 CFM each • Rated speed for each fan: 3300 ±400 RPM • Rated power for each fan: 1.9 W
Drive Bay	Built-in one slim type floppy, one slim type CD-ROM Internal space for one 2.5" HDD drive bay and one 3.5" HDD drive bay
Other Features	cBP-6103R, cBP-6104R: FDD and IDE interface on the rear side of backplane. Easy for floppy of ATAPI CD-ROM connection during system installation. (Above features are only available in collocation with cPCI-6841)
Dimensions	483.4 x 88.1 x 317.6 (mm, W x H x D, w/ handle)
Weight	cPCIS-6230R series: 15.1 kg/33.2 lbs (including CD-ROM and FDD) cPCIS-6240R series: 15.5 kg/34.1 lbs (including CD-ROM and FDD)
Operating Temp.	0° to 50°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: 0.5 Grms, 5-500 Hz, each axis, tested with 2.5" HDD

Recommended Configurations

CPU Board (System slot)	Rear I/O Board
cPCIS-6230R and cPCIS-6240R	
cPCI-6780V, cPCI-6780VS, cPCI-6780S	cPCI-R6780S, cPCI-R6780V
cPCI-6841	
cPCIS-6230R/64 and cPCIS-6230R/64/N110	
cPCI-6780V, cPCI-6780VS, cPCI-6780S	cPCI-R6780S, cPCI-R6780V
cPCI-6860A	cPCI-R6860A, cPCI-R6860L
cPCI-6811AA*	cPCI-R6820
cPCI-6820AA, cPCI-6820AB*	cPCI-R6820
cPCI-6840, cPCI-6840V*	cPCI-R6840, cPCI-R6841
cPCI-6841	

Note: *Does not support FDD.

Product Matrix

	3-slot	4-slot
32-bit Backplane	cPCIS-6230R	cPCIS-6240R
64-bit Backplane	cPCIS-6230R/64	cPCIS-6400XS
64-bit Backplane w/o H.110	cPCIS-6230R/64/N110	

Ordering Information

Modules

Model Number	Description/Configuration
cPCIS-6230R	2U cPCI Sub-system, 3-slot, 32-bit, RIO Config with CD, FDD, 300 W AC power supply
cPCIS-6240R	2U cPCI Sub-system, 4-slot, 32-bit, RIO Config with CD, FDD, 300W AC power supply
cPCIS-6230R/64	2U cPCI Sub-system, 3-slot, 64-bit, RIO Config with CD, FDD, 300 W AC power supply
cPCIS-6230R/64/N110	2U cPCI Sub-system, 3-slot, 64-bit, w/o H.110 CT Bus, RIO Config with CD, FDD, 300 W AC power supply

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

Mechanical Layout



Rear View

