cPCIS-6230R/6240R Series

2U Rackmount Chassis with 1U ATX Power Supply



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 optical drive
- 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 CompactPCI® 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, 100-240 VAC (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 programs		

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: • 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 slim type optical drive
	Internal space for one 2.5” HDD drive bay and one 3.5” HDD drive bay
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 optical drive)
	cPCIS-6240R series: 15.5 kg/34.1 lbs (including optical drive)
Operating Temp.	0˚C to 50˚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: 0.5 Grms, 5-500 Hz, each axis, tested with 2.5” HDD

Recommended Configurations

CPU Board (System slot)	Rear I/O Board
cPCI-6510, cPCI-6510V	cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*, cPCI-R6700(D)
cPCI-6880, cPCI-6880P	cPCI-R6002D*, cPCI-R6110*,cPCI-R6200*, cPCI-R6700(D)
cPCI-6870	cPCI-R6201*
cPCI-6210, cPCI-6210D	cPCI-R6002D*, cPCI-R6110*, cPCI-R6200*, cPCI-R6700D

*A 22-pin to 7-pin SATA cable is required for connecting the 3rd SATA interface

Ordering Information

Model Number	cPCI Bus	PSU Type	CMM	PSU MAX	AC-INPUT	H.110	CD/DVD ROM	2.5 HDD Rack	3.5 HDD Rack	5.25 HDD Rack	Alarm Board
cPCIS-6230R/ SDVD	32-bit/33MHz	ATX	--	300W	1	Y	1x SATA DVD	1x SATA Driver Bay	1x SATA Driver Bay	--	--
cPCIS-6230R/64/ SDVD	64-bit/66MHz	ATX	--	300W	1	Y	1x SATA DVD	1x SATA Driver Bay	1x SATA Driver Bay	--	--
cPCIS-6230R/64/ SDVD/N110	64-bit/66MHz	ATX	--	300W	1	N	1x SATA DVD	1x SATA Driver Bay	1x SATA Driver Bay	--	--
cPCIS-6230R/64/ SDVD/NPSU	64-bit/66MHz	ATX	--	--	1	Y	1x SATA DVD	1x SATA Driver Bay	1x SATA Driver Bay	--	--
cPCIS-6240R/ SDVD	32-bit/33MHz	ATX	--	300W	1	Y	1x SATA DVD	1 Driver Bay	1 Driver Bay	--	--
cPCIS-6240R/64/ SDVD	64-bit/66MHz	ATX	--	300W	1	Y	1x SATA DVD	1 Driver Bay	1 Driver Bay	--	--

Mechanical Layout



Rear View



