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

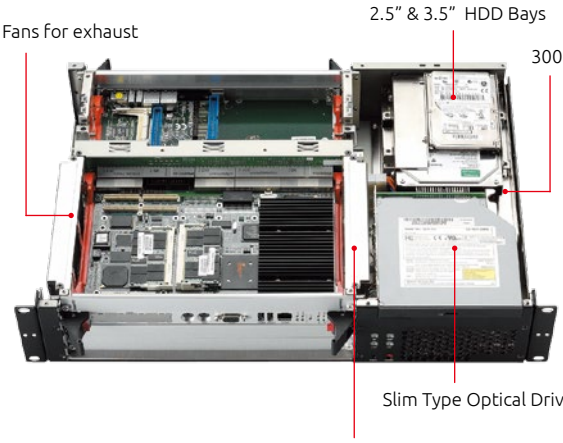
Humidity
5% to 95%, non-condensing

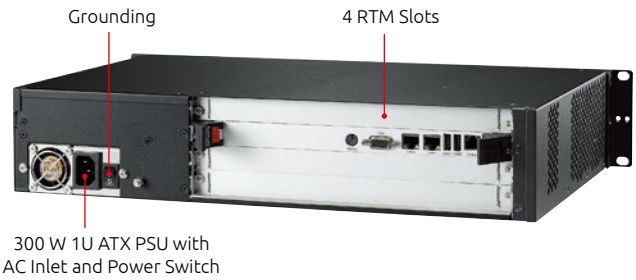
Shock
15 G peak-to-peak, 11 ms duration, non-operation

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

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Mechanical Layout





Recommended Configurations

- **cPCI-6530V, cPCI-6520, cPCI-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, cPCI-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	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	--	--

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