cPCIS-6130R Series

2-slot CompactPCI® Rackmount Chassis

Features

- 19" rackmount, 1U height for 6U cPCI boards with 80 mm rear I/O
- PICMG® 2.1 Hot Swap compliant 64-bit 2-slot CompactPCI® backplane
- One cPCI segment, lower-side system slot
- Built-in 200 W AC input power supply
- Guarded power switch and reset button

Specifications

Enclosure
EIA RS-310C 19" 1U high rackmount enclosure
Coated metal plate outer covering
Guarded power switch and 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-6402R: 2-slot 6U CompactPCI® backplane
64-bit/66 MHz cPCI bus
One system slot at lower slot, with P3, P4, P5 rear I/O
One peripheral slot, with P3, P5 rear I/O
Utility connectors: Six Fans, PS_ON, Reset, PWR_LED

Power Supply
200 W ATX power supply with AC input switch and cooling fan
AC Input: Universal AC input, 100-240 ±10% V AC 50-60 ±5% Hz
       PFC: Typical 0.95
       Meets Harmonic Correction IEC1000-3-2
DC Output: 16 A @ +5 V, 14 A @ +3.3 V, 9 A @ +12 V,
       0.7 A @ -12 V (+5 Vsb and -5 V are not used in cPCI system)
       Maximum total output for +5 V and +3.3 V: 110 W
       Maximum total output for +5 V, +3.3 V, and +12 V: 186 W
       Efficiency: 65% at 115 V, full load
Protection: Over load protection: 110%-160%
       Over voltage protection on +5 V, +3.3 V
       Short circuit protection: each voltage output
Certifications: FCC class B, CISPR22 class B
       UL 1950, CSA 22.2 No.950 TÜV IEC 950

Cooling System
Two fans for intake, one fan for exhaust on rear board
12 V DC brushless, VAPO bearing 10.8 CFM/each
Rated speed for each fan: 8200 ±1000 RPM
Rated power for each fan: 1.6 W
Three fans for front board exhaust
12 V DC brushless, VAPO bearing 8 CFM/each
Rated speed for each fan: 7000 ±1000 RPM
Rated power for each fan: 1.2 W

Dimensions
482.6 x 43.9 x 302.7 (mm, W x H x D, w/ handle)

Weight
4.5 kg/9.9 lbs (including power supply and backplane)

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
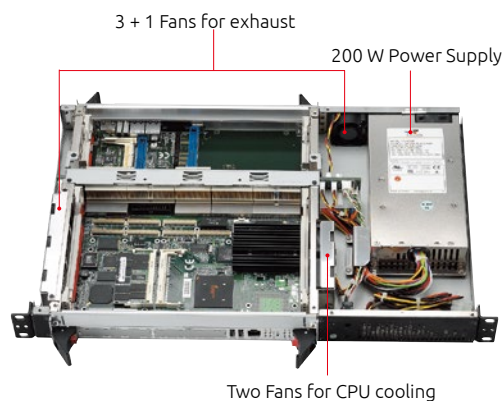
Operation
0.5 Grms, 5-500 Hz, each axis

NEBS
Designed for NEBS Level 3

Mechanical Layout

Rear View

3 + 1 Fans for exhaust

200 W Power Supply

Two Fans for CPU cooling

Recommended Configurations

- **cPCI-6530V, 6520, 6510**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6200, cPCI-R6700, cPCI-R6500

- **cPCI-6530, 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	Alarm Board
cPCIS-6130R	64-bit/66MHz	ATX	--	200W	1	Y	--
cPCIS-6130R/300W	64-bit/66MHz	ATX	--	300W	1	Y	--

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