# 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 300W 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
300 W ATX power supply with AC input switch and cooling fan
AC Input: Universal AC input, 100-240 ±10% V AC 50-60 +/- 3Hz
PFC: Typical 95% @ 110V full load
Meets Harmonic Correction EN 61000-3-2
DC Output: 20A @ +3.3V, 24A @ +5V, 20A @ +12V, 0.5A @ -12V
(+5 Vsb and -5 V are not used in cPCI system)
Maximum total output for +5 V and +3.3 V: 170W
Maximum total output for +5 V, +3.3 V, and +12 V: 284W
Efficiency: 65% at 115 V, full load
Protection: Over load protection: 110%-160%
Over voltage protection on +5 V, +3.3 V, +12V
Short circuit protection: each voltage output
Certifications: FCC class B, CISPR22 class B
UL 60950, CSA C22.2 No.60950, TUV EN-60950,
CCC GB9254-2008,GB4943.1-2001, GB17625.1-2003

### 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

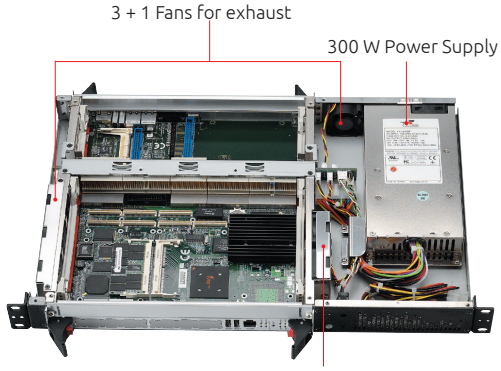
### Operation
0.5 Grms, 5-500 Hz, each axis

### NEBS
Designed for NEBS Level 3

## Mechanical Layout



Rear View




## Ordering Information

| Model Number | cPCI Bus | PSU Type | CMM | PSU MAX | AC-INPUT | H.110 | Alarm Board |
|---|---|---|---|---|---|---|---|
| cPCIS-6130R/300W | 64-bit/66MHz | ATX | -- | 300W | 1 | Y | -- |

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000



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