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

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

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<thead>
<tr>
<th>Model Number</th>
<th>cPCI Bus</th>
<th>PSU Type</th>
<th>CMM</th>
<th>PSU MAX</th>
<th>AC-INPUT</th>
<th>H.110</th>
<th>Alarm Board</th>
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<tbody>
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<td>cPCI-6130R</td>
<td>64-bit/66MHz</td>
<td>ATX</td>
<td>--</td>
<td>200W</td>
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<tr>
<td>cPCI-6130R/300W</td>
<td>64-bit/66MHz</td>
<td>ATX</td>
<td>--</td>
<td>300W</td>
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