

cPCIS-6130R

1U Rackmount Chassis for 6U CompactPCI Cards



Features

- 19" rackmount, 1U height for 6U cPCI boards with 80mm rear I/O
- Suitable for one dual-slot system module or one single-slot system board with one expansion board
- PICMG 2.1 Hot Swap compliant 64-bit 2-slot CompactPCI backplane
- One cPCI segment, lower-side system slot
- PICMG 2.5 H.110 CT bus compatible pin assignments on peripheral slot
- Built-in 200W AC-input ATX power supply
- Guarded power switch and reset button
- Designed for NEBS Level 3 installation

Applications

- High availability mission critical applications
- ISP/ Enterprise HA web/ Email hosting/ Application Server
- High-end Firewall, VPN, IDS, Traffic Management
- Media Gateway
- Signaling Gateway
- Multi-access switch
- MSC/ BSC/ RNC
- HLR/ VLR

Specifications

CompactPCI Standards	2.0 R3.0, 2.1 R2.0, 2.5 R1.0 (pin compatible)
Form Factor	6U cPCI
Enclosure	EIA RS-310C 19" 1U high rack-mount enclosure Coated metal plate outer covering Guarded power switch and reset button
Cooling System	Cooling fans for in-take: 12V DC brush-less, VAPO bearing Two fans for in-take with 10.8 CFM/each. Rated speed for each fan: 8200 ± 1000 RPM Rated power for each fan: 1.6W Cooling fans for ventilation of front board: 12V DC brush-less, VAPO bearing Three fans for ventilation with 8 CFM/each. Rated speed for each fan: 7000 ± 1000 RPM Rated power for each fan: 1.2W Cooling fans for ventilation of rear board: 12V DC brush-less, VAPO bearing One fan for ventilation with 10.8 CFM/each. Rated speed for each fan: 8200 ± 1000 RPM Rated power for each fan: 1.6W
Power Supply	200W ATX power supply with AC input switch and cooling fan AC Input Universal AC input, 100~240 ± 10% VAC 50~60 ± 5% Hz PFC: Typical 0.95 Meet Harmonic Correction IEC1000-3-2

DC Output	25A @ +5V, 14A @ +3.3V, 8A @ +12V, 0.5A @ -12V (+5Vsb and -5V are not used in cPCI system) Maximum total output for +5V and +3.3V: 138W Maximum total output for +5V, +3.3V and +12V: 186W Efficiency: 65% at 115V, full load
Protection	Over load protection: 110% ~ 160% Over voltage protection on +5V, +3.3V Short circuit protection: each voltage output
Safety or Certificate	UL 1950 TUV EN-60950 EN-61000-4-2, EN-61000-4-4, EN-61000-4-5 FCC part 15 Class A, CISPR 22 (EN55022)
Backplane	cBP-6402R: 2-slot 64-bit 6U cPCI Backplane with H.110 compatible pin assignments on peripheral slot
Dimensions	482.6 x 43.9 x 296.8 (mm, WxHxD, w/o handle)
Weight	4.5 Kg (including 200W power supply and backplane)
Operating Temperature	0 to 50°C
Storage Temperature	-20 to 80°C
Humidity	5% to 95%, non-condensed
Shock	15G peak-to-peak, 11ms duration, non-operation
Vibration	Non-operation: 1.88Grms, 5-500Hz, each axis Operation: 0.5Grms, 5-500Hz, each axis, test with 2.5" HDD
NEBS	Design for NEBS Level 3

Ordering Information

Model number	Description/Configuration
cPCIS-6130R	1U Rackmount Chassis for 6U cPCI Cards with 80mm RIO, 64-bit, 2-slots, H.110 Compatible Backplane and 200W Power

Note: EMC blank panels are optional. All models above do not include any system or peripheral board.