

Our Affordable Family of CompactPCI/VME Enclosures

2U, 3U, and 4U COTS-based Quick-Turn Chassis for Application Solutions Development

LCR Embedded Systems' Affordable Family of customizable rugged industrial, NEBS enclosures provide telecom, datacom, and military customers an open-standard ecosystem for application solutions development.

Processor options include Intel Core i5/i7 Quad-Core Processors, drive bays for a slim DVD, and two locking, removable 2.5" SATA drives (one removable drive in the 2U enclosure).

- Available in a variety of popular form factors including CompactPCI and VME
- Fully customizable
- NEBS-compliant for rugged industrial application development



Midplane	2U	3U	4U
PICMG 2.16-compliant 6U slots, 64-bit/33MHz PCI	1 System, 2 Peripheral (1 Switch w/o I/O tray)	1 System, 1 Switch, 2 Peripheral	1 System, 1 Switch, 6 Peripheral
RTM board support Other configurations available	3	4	8
Available Form Factors	CompactPCI/VME	CompactPCI/VME	CompactPCI/VME

Power	2U	3U	4U
Number of 300W power supplies (CompactPCI) (single 600W or dual redundant 300W)	2	2	2
Number of 75W SBCs/Switch in 600W mode	Supports up to 3	Supports up to 4	Supports up to 7
Ships with universal AC supplies standard 48V option	On request	On request	On request

Thermal	2U	3U	4U
Number of 4500rpm, 67 CFM, 0.4 in H2O fans	3	3	6
Airflow	Left-to-right, push configuration 80% dust arrestance 66 dBA	Left-to-right, push configuration 80% dust arrestance 66 dBA	Left-to-right, push configuration 80% dust arrestance 66 dBA
Washable filter provides Full speed noise Fan tray accessible and easily removed for service			

Interface

	2U	3U	4U
Front Access	Locking removable door	Locking hinged door	Locking hinged door
Rear breaker control/protection			
Power switch	Front-accessible	Front-accessible	Front-accessible
LEDs	Input Power Good Output Power Fault	Input Power Good Output Power Fault	Input Power Good Output Power Fault
Run time indicator for scheduled maintenance			

Physical

Height/Width/Depth	2U x 19" x 15"	3U x 19" x 15"	4U x 19" x 15"
Weight	< 30lb	< 30lb	< 30lb
Materials	Aluminum frame	Aluminum frame	Aluminum frame
Finish	Black powdercoat, semigloss	Black powdercoat, semigloss	Black powdercoat, semigloss
Mounting Flanges	Removable	Removable	Removable

Environmental

Temperature:			
Operating	0C to 55C	0C to 55C	0C to 55C
Storage	-40C to 70C	-40C to 70C	-40C to 70C
Humidity:			
Operating	5-95%	5-95%	5-95%
Storage	0-95%	0-95%	0-95%
Altitude:			
Operating	4500m	4500m	4500m
Storage	Hard-drive dependent	Hard-drive dependent	Hard-drive dependent
Shock:			
Operating	20Gs @ 11ms	20Gs @ 11ms	20Gs @ 11ms
Storage	20Gs @ 6ms, half-sine	20Gs @ 6ms, half-sine	20Gs @ 6ms, half-sine
Vibration:	0.5Gs/Hz 5 to 100 Hz sine sweep; 0.04 G2s/Hz, 20-2000Hz (op); Random 5-20Hz @ 0.0132 G2s/Hz 20-200 -3dB		
EMI/EMC:	Designed to meet FCC 47 CFR Part 15 Class A, EN55-22 Class A, EN55024		