cPCIS-3300BLS Series

9U Blade Server for 12 Blades with Dual Fabric Switch Slots

Features

- PICMG® 2.16 Packet Switching Backplane architecture
- Dual PICMG® 2.16 fabric slots for high availability
- 21 slots, including 12 node slots, two fabric slots, three redundant 6U CompactPCI® power modules and one CMM slot
- Hot swappable 800 W + 400 W redundant CompactPCI® power supply with universal AC input
- PICMG® 2.9 compliant backplane with FAL#, DEG# sense and INH# control for each power module
- Optional Chassis Monitoring Module (CMM) for remote monitoring and control via Ethernet
- Redundant cooling architecture
- Magnetic circuit breaker protection for AC input



Specifications

Enclosure
EIA RS-310C 19" 9U high rackmount enclosure
Coated metal plate outer covering
Guarded power switch and reset button

Form Factor
6U CompactPCI®

CompactPCI® Standards
2.0 R3.0, 2.1 R2.0, 2.9 R1.0, 2.11 R1.0, 2.16 R1.0

Backplane
cBP-6614A
cPCI Bus: None
System Slot: 12 (all node slots act as system slot)
2.16 Node Slot: 12 (all node slots act as system slot)
2.16 Fabric Slot: Two
CMM slot: One
Rear I/O: All slots support P3, P4, P5 rear I/O with AB-type shroud
V (I/O): 3.3 V or 5 V (default) selectable
Power Input: AC Input, one ATX connector, DC screw terminals

Power Supply
Supports current sharing on 5 V, 3.3 V, and 12 V
PICMG® 2.11 47-pin power interface
Power module: cPS-H640/AC x 3 (400 W x3 redundant)
Max. Load
+5 V: 150.0 A
+3.3 V: 120.0 A
+12 V: 45.0 A
-12 V: 15.0 A

Min. Load
+5 V: 6 A
+3.3 V: N/A
+12 V: N/A
-12 V: N/A

Alarm Module
Basic Alarm Module: Monitors inner chassis temperature, voltage and fan status
Abnormal status will generate alarm and LED warning
Alarm reset

Specifications

Drive Bay
None

Cooling System
Five fans for front-access intake: Rated speed for each fan: 4000 ±500 RPM
Rated power for each fan: 2.64 W
Maximum Air Flow: 48.2 CFM
Five fans for front-access intake: Rated speed for each fan: 4000 ±500 RPM
Rated power for each fan: 2.64 W
Maximum Air Flow: 48.2 CFM

Physical
Dimensions: 483.2 x 399 x 339.1 (mm, W x H x D, w/ handle)
Weight: 23 kg/50.7 lbs (including redundant power supply and backplane only)

Operating Temp.
0˚C to 55˚C (dependent on system configurations)

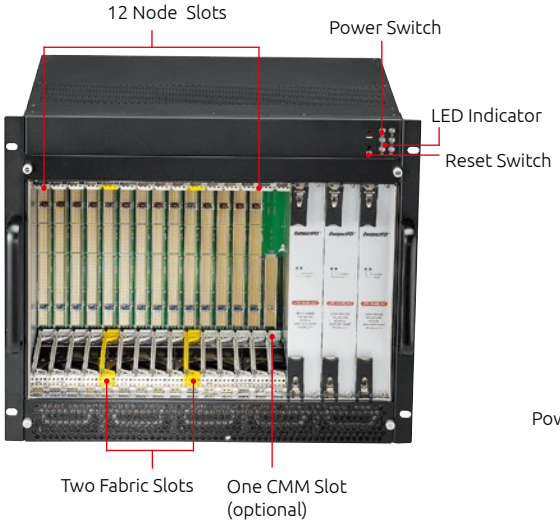
Storage Temp.
-20˚C to 80˚C

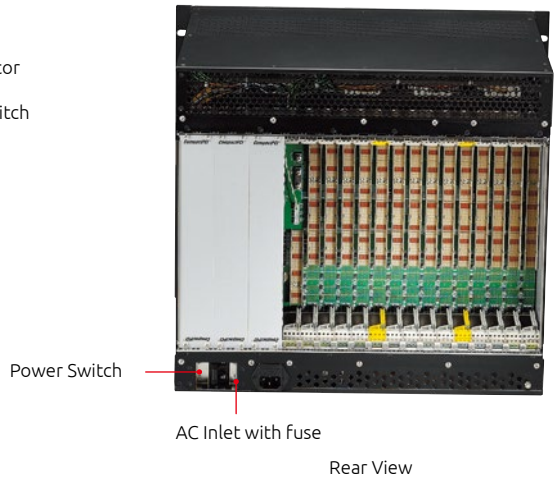
Humidity
5% to 95%, non-condensing

Shock
15 G peak-to-peak, 11 ms duration, non-operation

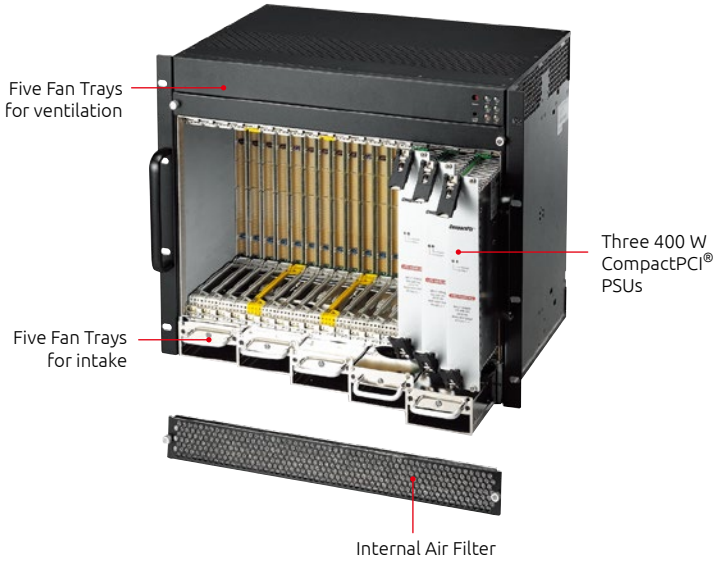
Vibration
Non-operation: 1.88 Grms, 5-500 Hz, each axis
Operation: 0.5 Grms, 5-500 Hz, each axis, tested with 2.5" HDD
NEBS: Designed for NEBS Level 3

Mechanical Layout





Rear View



Recommended Configurations

- **cPCI-6530V, 6520, 6510V**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6220, cPCI-R6700
- **cPCI-6530, 6510**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6220, cPCI-R6210, cPCI-R6700
- **cPCI-6210, cPCI-6210D**
  cPCI-R6002, cPCI-R6002D, cPCI-R6100, cPCI-R6110, cPCI-R6220, cPCI-R6700

Fabric Switch Board

- **cPCI-6S10**
  24-port GbE switch blade

Chassis Management Module

- **cPCI-CMM1600**
  6U cPCI Chassis Management Module

Ordering Information

Model Number	cPCI Bus	PSU Type	CMM	PSU MAX	AC/DC-IN-PUT	H.110	CD/DVD ROM	2.5 HDD Rack	3.5 HDD Rack	5.25 HDD Rack	Alarm Board
cPCIS-3300BLS	N/A(PICMG2.16)	AT	--	3x 400W	AC	Y	--	--	--	--	Basic Alarm Module
cPCIS-3300BLS/AC/CMM	N/A(PICMG2.16)	AT	Y	3x 400W	AC	Y	--	--	--	--	--
CPC-00000-162 cPCIS-3300BLS/DC/CMM	N/A (PICMG2.16)	AT	Y	3x 400W	DC	Y	--	--	--	--	--

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