cPCIS-6418U Series

4U 8-slot CompactPCI® System with Redundant Power Supplies

Features

- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 64-bit 8-slot CompactPCI® backplane with P3 & P5 rear I/O
- Guarded power switch and reset button
- Dual AC power inlets (optional DC-in)
- LED indication for power status, fan status, temperature alarm
- Embedded chassis management tool to monitor fan, temperature & voltage via RS-232 port



Specifications

Enclosure
EIA RS-310C 19" 4U high rackmount enclosure
Coated metal plate outer covering

CompactPCI® Standards
2.0 R3.0, 2.1 R2.0, 2.5 R1.0
Form Factor: 6U CompactPCI®

Backplane
cBP-6418U: 8-slot 64-bit 6U cPCI CT bus backplane
cBP-6418U/N110: 8-slot 64-bit 6U cPCI non CT bus backplane

Power Supply
Supports up to three in-rack 3U cPCI 8HP power modules
Supports current sharing on 5 V, 3.3 V, and 12 V
PICMG® 2.11 47-pin power interface
Power module: cPS-H325/AC (250 W each x3 redundant)
cPS-H325/48 (DC48V 250 W redundant each)

Basic Alarm Module
Monitoring inner chassis temperature, fan status
Abnormal status will generate alarm and LED warning
Alarm reset
LEDs indicate status of 5 V, 3.3 V, 12 V and 12 V

Cooling System
Removable left exhaust fan
• Tontal fans: One
• Fan type: DC brushless motor
• Rated voltage: 12 V
• Dimensions: 120 x 120 x 25 (mm, W x H x D)
• Maximum Air flow: 150 CFM
• Rated speed for each fan: 4000 ±250 RPM
• Rated power for each fan: 17.4 W
Exhaust fan on rear panel:
• Total fans: One
• Fan type: DC brushless motor
• Rated voltage: 12 V
• Dimensions: 92 x 92 x 38 (mm,W x H x D)
• Maximum Air flow: 110.18 CFM
• Rated speed for each fan: 4800 ±250 RPM
• Rated power for each fan: 12 W

Cooling System (cont'd)
Hot-swappable right side intake fans: (2+2 fans)
• Total fans: Four
• Fan type: DC brushless motor
• Rated voltage: 12 V
• Dimensions: 80 x 80 x 15 (mm,W x H x D)
• Maximum Air flow: 42.73 CFM
• Rated speed for each fan: 4000 ±100 RPM
• Rated power for each fan: 3.24 W

Drive Bay
One slim type optical drive
Dimensions: 482.6 x 177 x 346.35 (mm, W x H x D, w/ handle)
Weight: 14.5 kg/31.9 lbs (including 250 W redundant 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, tested with 2.5" HDD
NEBS: Designed for NEBS Level 3

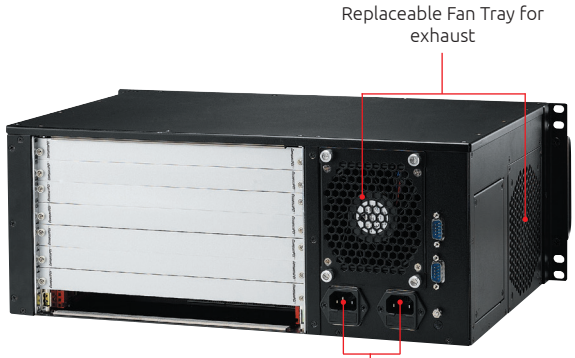
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Mechanical Layout



Rear View





Recommended Configurations

- **cPCI-6630, 6530V, 6520, 6510V**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6220, cPCI-R6500
- **cPCI-6530, 6510**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6210, cPCI-R6500
- **cPCI-6210**
  cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6500

Ordering Information

Model Number	cPCI Bus	PSU Type	CMM	PSU MAX	AC/DC	H.110	CD/DVD ROM	2.5 HDD Rack	3.5 HDD Rack	5.25 HDD Rack	Alarm Board
cPCIS-6418U/AC/SDVD	64-bit/66MHz	AT	--	3x 250W	2x AC	Y	1x SATA DVD	--	--	--	Basic Alarm Module
cPCIS-6418U/ 2AC/SDVD	64-bit/66MHz	AT	--	2x 250W	2x AC	Y	1x SATA DVD	--	--	--	Basic Alarm Module
cPCIS-6418U/AC3/VA(EA)	64-bit/66MHz	AT	--	3x 250W	1x AC	Y	1x SATA DVD	--	--	--	Buzzer, RS-232
cPCIS-6418U/DC/SDVD	64-bit/66MHz	AT	--	3x 250W (DC 48V)	2x DC	Y	1x SATA DVD	--	--	--	Buzzer, RS-232
cPCIS-6418U/AC/N110/ SDVD	64-bit/66MHz	AT	--	3x 250W	2x AC	N	1x SATA DVD	--	--	--	Buzzer, RS-232

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