

# 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
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 <ul style="list-style-type: none"> <li>• Total fans: One</li> <li>• Fan type: DC brushless motor</li> <li>• Rated voltage: 12 V</li> <li>• Dimensions: 120 x 120 x 25 (mm, W x H x D)</li> <li>• Maximum Air flow: 150 CFM</li> <li>• Rated speed for each fan: 4000 ±250 RPM</li> <li>• Rated power for each fan: 17.4 W</li> </ul> Exhaust fan on rear panel: <ul style="list-style-type: none"> <li>• Total fans: One</li> <li>• Fan type: DC brushless motor</li> <li>• Rated voltage: 12 V</li> <li>• Dimensions: 92 x 92 x 38 (mm, W x H x D)</li> <li>• Maximum Air flow: 110.18 CFM</li> <li>• Rated speed for each fan: 4800 ±250 RPM</li> <li>• Rated power for each fan: 12 W</li> </ul>

Cooling System (cont'd)	Hot-swappable right side intake fans: (2+2 fans) <ul style="list-style-type: none"> <li>• Total fans: Four</li> <li>• Fan type: DC brushless motor</li> <li>• Rated voltage: 12 V</li> <li>• Dimensions: 80 x 80 x 15 (mm, W x H x D)</li> <li>• Maximum Air flow: 42.73 CFM</li> <li>• Rated speed for each fan: 4000 ±100 RPM</li> <li>• Rated power for each fan: 3.24 W</li> </ul>
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

## Recommended Configurations

CPU Board (System slot)	Rear I/O Board
cPCI-6615, cPCI-6615D	cPCI-R6002
cPCI-6510, cPCI-6510V	cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6210, cPCI-R6700
cPCI-6880, cPCI-6880P	cPCI-R6002, cPCI-R6000P, cPCI-R6100, cPCI-R6110, cPCI-R6700
cPCI-6210, cPCI-6210D	cPCI-R6002, cPCI-R6100, cPCI-R6110, cPCI-R6700

## 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

## Mechanical Layout



Rear View

