cPCIS-3100 Series

8U Rackmount Chassis with ATX Redundant Power Supplies



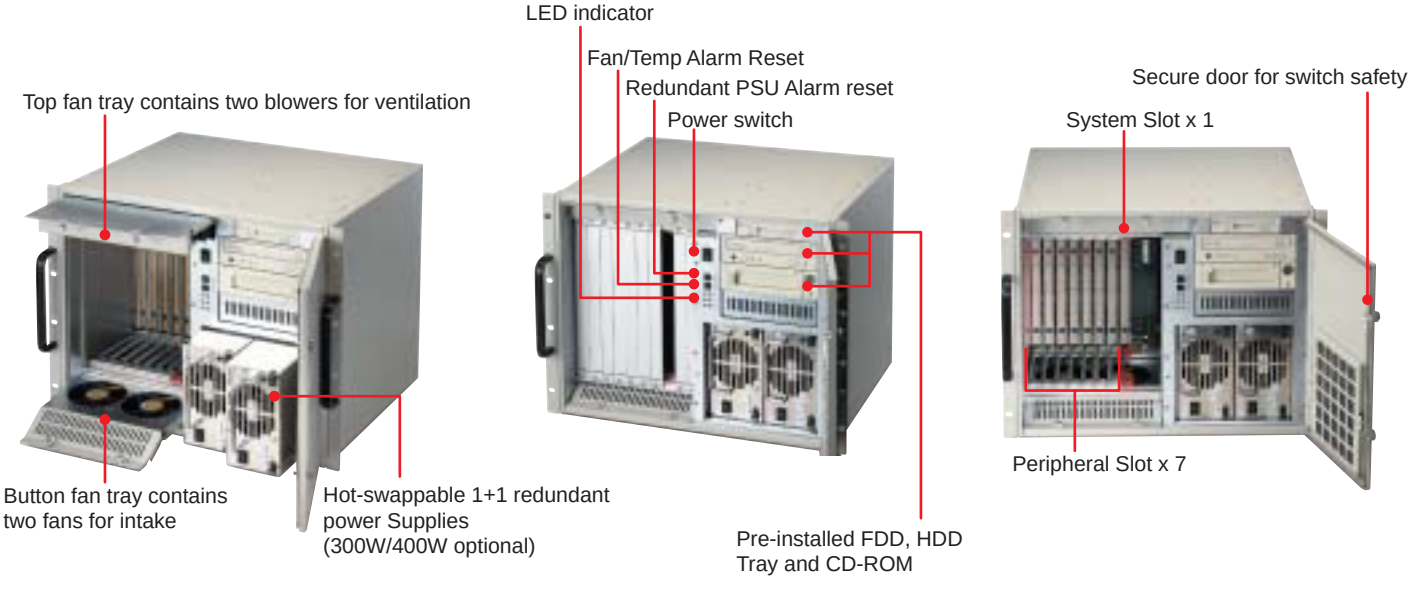
Front View



Rear View

Features

- *Standard 6U CompactPCI and PICMG 2.5 H.110 CT Bus*
- *PICMG 2.1 Hot Swap compliant 32-bit or 64-bit 8-slot CompactPCI backplane with P3 & P5 rear I/O*
- *One cPCI segment, right-hand-side system slot*
- *Built-in AC-input dual redundant power supplies*
- *One 3.5" and three 5.25" drive bays*
- *Alarm module for monitoring chassis temperature and fan status*
- *Switch, drive bays, and redundant power supply are protected by secure door*
- *Redundant cooling architecture*
- *Designed for NEBS Level 3 installation*



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Specifications

Enclosure	EIA RS-310C 19" 8U high rack-mount enclosure		
	Coated metal plate outer covering		
	Switch, drive bays and redundant power supply are protected by door		
Form Factor	6U CompactPCI		
CompactPCI Standards	2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.9 R1.0, 2.11 R1.0		
Backplane		cBP-6108R	cBP-6408R
	cPCI Bus	32-bit/33MHz	64-bit/33MHz
	System Slot	1	
	Peripheral Slot	7	
	H.110 CT Bus	Comply with all peripheral slots	
	Rear I/O	All slots support P3, P4, P5 rear I/O with AB-type shroud	
	V (I/O)	3.3V or 5V(default) selectable	
	Power Input	ATX connector x 3, DC screw terminals	
	System slot Legacy I/O	FDD, IDE1 and IDE2 (pin compatible with cPCI-6841)	N / A
Alarm Module	LED indications show power voltage status on 5V, 3.3V, 12V, and -12V, fan, temperature		
	Monitors inner chassis temperature, voltage and fan status		
	Abnormal status will generate alarm and LED warning		
	Alarm reset		
Power Supply	EPR-2308S: 300W+300W N+1 Redundant Power Supply with cooling fan		

AC Input	Manual Switch, 115V: 90-132VAC; 230: 180-264VAC			
Output Voltage	+5V	+3.3V	+12V	-12V
Max. Load	30A	15A	12A	0.5A
Min. Load	3A	0A	1A	0A
Max. Power	150W		144W	6W
Efficiency	65% at 115V, full load			
Protestion	Over load protection Over voltage protection Short Circuit Protection No Load Operation			
De-rating	De-rating Temperature: 50˚C De-rating Linearly to 50% at 70˚C			

RAM-2806P6: 400W+400W N+1 Redundant Power Supply with cooling fan

AC Input	90V ~ 264V, universal full range			
Output Voltage	+5V	+3.3V	+12V	-12V
Max. Load	85A	50A	20A	1A
Min. Load	6A	0A	2A	0A
Max. Power	425W		144W	6W
Efficiency	63% at 115V, full load			
Protestion	Over load protection Over voltage protection Short Circuit Protection Over Temperature protection			
De-rating	De-rating Temperature: 50˚C De-rating Linearly to 50% at 70˚C			

*** +5VSB and -5V are not used in cPCI system

Drive Bay	3.5"	1	
	5.25"	3	
Cooling System	2 bottom fans for front-access intake	Rated speed for each fan: 2700 ± 300 RPM Rated power for each fan: 2.5W	
	2 top blower for front-access intake	Rated speed for each fan: 2500 ± 250 RPM Rated power for each fan: 7.8W	
	1 fans for rear-access exhaust	Rated speed for each fan: 3100 ± 250 RPM Rated power for each fan: 4.8W	
Physical	Dimensions	482.6 x 354.8 x 365 (mm, W x H x D, w/o handle)	
	Weight	26.1kg (including 300W redundant power supply and backplane)	
Operating Temp.	0 to 45˚C		
Storage Temp.	-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, tested with 2.5" HDD		

Product Matrix

	300W RPSU	400W RPSU	300W Dual AC-Inlet RPSU
32-bit Backplane	cPCIS-3120/300FCR	cPCIS-3120/400FCR	cPCIS-3120/D300FCR
64-bit Backplane	cPCIS-3140/300FCR	cPCIS-3140/400FCR	cPCIS-3140/D300FCR

Ordering Information

cPCIS-3120/300FCR	8U 32-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)
cPCIS-3120/400FCR	8U 32-bit 8-slot & Rear I/O CTI Chassis with 400W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)
cPCIS-3140/300FCR	8U 64-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)
cPCIS-3140/400FCR	8U 64-bit 8-slot & Rear I/O CTI Chassis with 400W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD)
cPCIS-3120/D300FCR	8U 32-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD) , dual AC-Inlet
cPCIS-3140/D300FCR	8U 64-bit 8-slot & Rear I/O CTI Chassis with 300W Redundant PSU, FDD, CD-ROM, HDD rack (w/o HDD), dual AC-Inlet

Note: All models above do not include any system or peripheral board.

Recommended Configurations

CPU Board (System slot)	Rear I/O Board
cPCIS-3120 Series	
cPCI-6780V, cPCI-6780VS, cPCI-6780S	cPCI-R6780S, cPCI-R6780V
cPCI-6841	
cPCIS-3140 Series	
cPCI-6780V, cPCI-6780VS, cPCI-6780S	cPCI-R6780S, cPCI-R6780V
cPCI-6860A	cPCI-R6860A, cPCI-R6860L
cPCI-6811AA (Note)	cPCI-R6820
cPCI-6820AA, cPCI-6820AB (Note)	cPCI-R6820
cPCI-6840, cPCI-6840V (Note)	cPCI-R6840, cPCI-R6841
cPCI-6841	

Note: Do not support FDD.

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