

cPCIS-3100 Series

8U Rackmount Chassis with ATX Redundant Power Supplies ::



Front View

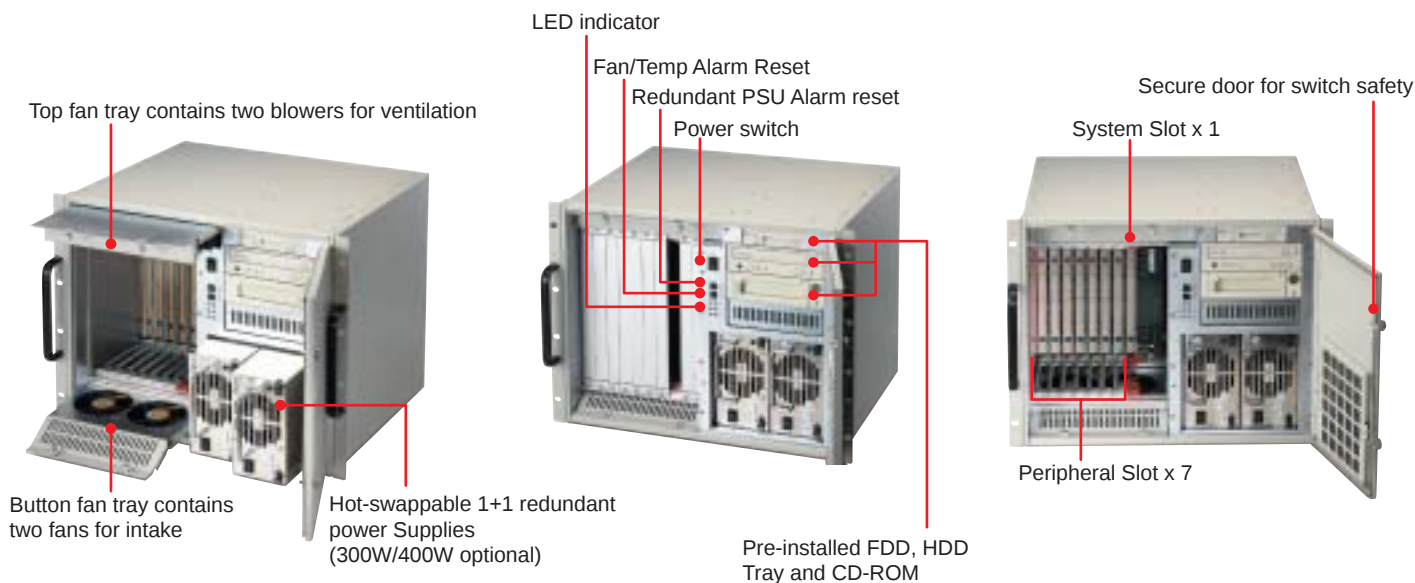


Rear View



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		
	Protection	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			

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.