

# IPC-510

## 4U up to 14-slot Rackmount Chassis with ATX Motherboard Option



### Features

- 4U-high supports up to 14-slot ISA or ISA/PCI backplane rackmount chassis
- Equipped with 250 W ATX PFC PS/2 power supply
- Easy installation front accessible disk drive bays to hold three half-height drives, one 3.5" FDD and one internal 3.5" disk drive
- Front accessible USB & PS/2 keyboard connector for data transfer
- Designed to withstand environmental extremes, such as shock, vibration and high temperature
- Optional ATX motherboard version

**NEW**

### Introduction

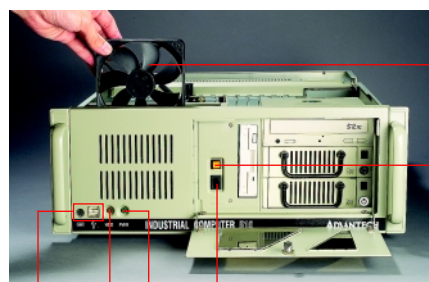
IPC-510 is a 4U height IPC rackmount chassis which supports 14-slot ISA/PCI backplane and 250 W ATX PFC PS/2 power supply. The IPC-510 industrial computer chassis is designed as core building blocks for mission-critical applications and offers overall best price/performance. IPC-510 is shockproof and has easily installed front accessible drive bays, three half-height 5.25", one 3.5" FDD and , one internal 3.5" HDD and front accessible USB & K/B connector. HDD. For high-density

applications, IPC-510 supports versatile Backplane and 300 W PS/2 power supply options.

IPC-510 is a rack-optimized IPC chassis and offers the best total cost ownership and scalability for customers who want to grow their business without increased cost. A wide range of standard computing peripherals can be integrated with the chassis to meet different application development under mission-critical environments 24 hours a day, 7 days a week.

### Specifications

Drive Bay	5.25" 3.5"	Front-accessible	Internal
		3 1	1
Cooling	Fan	1 (84 CFM/each)	
I/O Interface	USB	1(front-accessible)	
	PS/2	1(front-accessible)	
Miscellaneous	Rear panel	Two D-SUB 9-pin bracket	
	Indicator	LED display for power on and HDD activities	
Environment	Temperature	Operating 0 ~ 40 °C (32 ~ 104 °F)	Non-Operating -20 ~ 60 °C (-4 ~ 140 °F)
	Humidity	10 ~ 85 % @ 40 °C, non-condensing	10 ~ 95 % @ 40 °C, non-condensing
	Vibration (5-500 Hz)	1 Grms	2 G
	Shock	10 G (with 11 msec duration, 1/2 sine wave)	30 G
	Altitude	10,000 ft	40,000 ft
	Acoustic Noise	Less than 60dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
Physical	Dimensions (W x H x D)	482 x 177 x 450 mm (19" x 7" x 17.7")	
	Weight	9.8 kg (21.6 lb)	



One 84-CFM cooling fan  
System reset  
HDD LED  
Power Switch  
Power LED  
USB & PS/2



One 3.5" drive bay  
Three 5.25" drive bays  
One internal 3.5" drive bay space



Motherboard capable to allocate in 450 mm (17.7") depth space

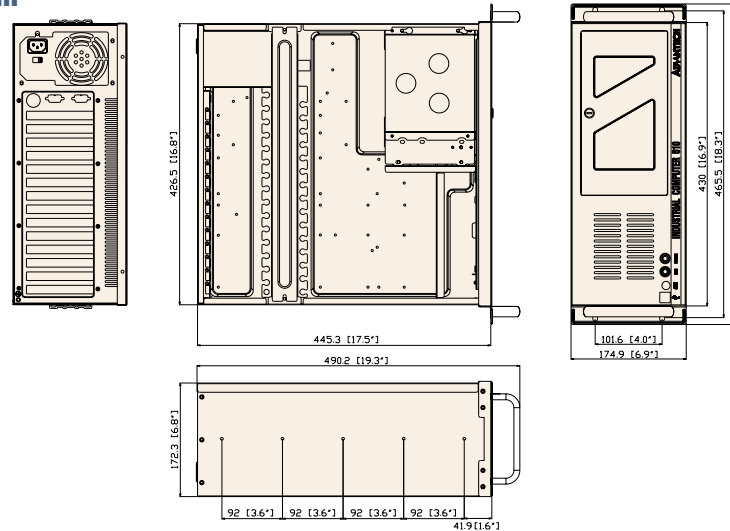


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## Dimension Diagram



Unit: mm (inch)

CompactPCI Enclosures 1

CompactPCI Boards 2

CompactPCI Peripherals 3

Blade Servers 4

Network Appliances 5

e-Server Systems 6

Storage Subsystems 7

Industrial Computer Chassis 8

Full-sized CPU Cards 9

Passive Backplanes 10

Industrial Computer Peripherals 11

## Passive Backplane Options

B/P Model Name	Slot	Segment
PCA-6114-0B1	14 ISA	Single
PCA-6114P4-C	8 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P7-0D1	4 ISA, 6 PCI, 3 PICMG, 1 PCI/ISA	Single
PCA-6114P10-B	2 ISA, 10 PCI, 2 PICMG	Single
PCA-6113P4R-0C1	7 ISA, 4 PCI, 2 PICMG	Single
PCA-6114P12-0B1	1 ISA, 11 PCI, 1 PICMG/PCI, 1 PICMG	Single
PCA-6113P7X	4 ISA, 7 PCI(64-bit), 2 PICMG	Single
PCA-6114P12X-A1	1 ISA, 11 PC I(64-bit), 1 PICMG/PCI, 1 PICMG	Single

## Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
PS-250ATX-Z (ATX, PFC)	250 W	AC 95 ~ 132 V AC 190 ~ 264 V (Selectable)	+5 V @ 27 A +3.3 V @ 20 A +12 V @ 13 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.5 A +3.3 V @ 0.3 A	UL/cUL/CSA (UL 60950 3rd) CE EN61000-3-2 Class D TUV/CB/CCC	100,000 hours @ 25° C full load
1757930070 (ATX, PFC)	300 W	AC 100 ~ 240 V (full-range)	+5 V @ 30 A +3.3 V @ 28 A +12 V @ 15 A -12 V @ 0.8 A -5 V @ 0.3 A +5 Vsb @ 2 A	+5 V @ 0.1 A +3.3 V @ 0.3 A	UL/cUL/CSA (UL 60950 3rd) CE EN61000-3-2 Class D TUV/CB	100,000 hours @ 25° C full load



Rear panel of backplane version



Rear panel of motherboard version

## Ordering Information

Part Number	With Power Supply	With Backplane or Motherboard	Regulation
IPC-510BP-00X	Without power supply with ATX switc	w/o	None
IPC-510BP-25Z	PS-250ATX-Z	w/o	UL, cUL, CE
IPC-510P4-25Z	PS-250ATX-Z	PCA-6114P4-C	UL, cUL, CE
IPC-510BP-30Z	1757930070	w/o	UL, cUL, CE
IPC-510MB-00X	Without power supply with ATX switch	(M/B version)	None
IPC-510MB-25Z	PS-250ATX-Z	(M/B version)	None
IPC-510MB-30Z	1757930070	(M/B version)	None