

IPC-510MB

4U Rackmount Chassis for ATX Motherboard

NEW



Features

- The most cost-effective rackmount chassis
- Equipped with 250/300 W ATX PFC PS/2 power supply
- Easy to install 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

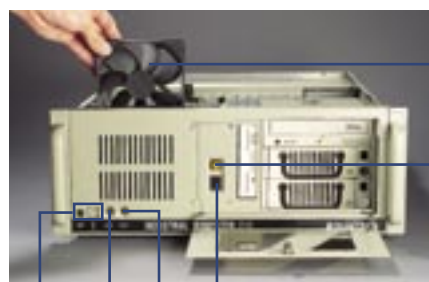


Introduction

IPC-510MB is a 4U-high IPC rackmount chassis which supports 250/300 ATX PFC PS/2 power supply. It is designed as a core block for mission-critical applications and offers the best choice for price, performance and total cost of ownership. The shockproof chassis provides abundant data access solutions, including: three half-height 5.25", one 3.5" FDD, and one internal 3.5" HDD. The front accessible USB and PS/2 keyboard I/O interfaces can be connected with various peripheral devices for data transferring, backup and input. Supporting up to five full-length PCI cards, IPC-510MB allows a wide range of standard computing peripherals to be integrated with the chassis to meet different application requirements.

Specifications

Drive Bay		Front-accessible	Internal
	5.25"	3	
	3.5"	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		Operating	Non-Operating
	Temperature	0 ~ 40 °C (32 ~ 104 °F)	-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

USB & PS/2 Power LED



One 3.5" drive bay

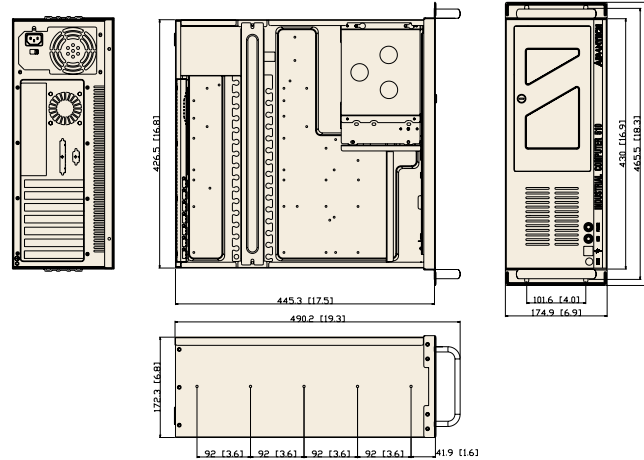
Three 5.25" drive bays

One internal 3.5" drive bay space



Motherboard capable of being allocated in 450 mm (17.7") depth space

Dimension Diagram



Unit: mm (inch)

Power Supply Options

Part Number	Watt	Input	Specifications			MTBF
			Output	Mini-load	Safety	
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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25° C full load
PS-300ATX-ZB (ATX, PFC)	300 W	AC90-264 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 (60950 3rd) CE (EN61000-3-2 Class D) TUV/FCC/CSA/Nemko CB/CCC	100,000 hours @ 25° C

Ordering Information

Part Number	With Power Supply	With Motherboard	Regulation
IPC-510MB-00X	Without power supply with ATX switch	(M/B version)	None
IPC-510MB-25Z	PS-250ATX-Z	(M/B version)	UL, cUL, CE
IPC-510MB-30Z	PS-300ATX-ZB	(M/B version)	UL, cUL, CE



Rear panel of mother board version