

# ACP-2320MB

## 2U 3-slot Rackmount Chassis for ATX Motherboard with Dual SATA HDD Trays



### Features

- Dual easy-to-maintain SATA HDD trays for data mirroring applications
- Front LED indicators for system alarm notification
- Front-accessible USB and PS/2 interfaces
- Shock-resistant disk drive bay to hold two internal 3.5" HDDs
- Front-accessible and easy-to-replace air filters
- Butterfly riser card supporting up to three full-length PCI cards
- 300 W / 400 W ATX PFC power supply



### Specifications

		Front-accessible	Internal
		1	-
Drive Bay	Slim CD-ROM	1	-
	3.5"	2 (SATA HDD)	2 (SATA or ATA HDD, depending on the enclosed motherboard)
Cooling	Fan	2 (47 CFM each) + 1 (28 CFM)	
	Air Filter	One 5.3 cm x 12 cm filter in front of dual fans, and one smaller filter in the drive bay door; both are front accessible	
I/O Interface	USB	2 (Front-accessible)	
	PS/2	PS/2 keyboard and mouse, or PS/2 keyboard depends on the enclosed motherboard	
Miscellaneous	Notification LEDs	PWR, HDD (Internal), temperature, Fan, SATA HDD power & activity	
	Rear Panel	Reserved one D-Sub 9-pin opening and one 68-pin SCSI opening	
	Riser Card (9696070000)*	Supports up to three PCI add-on cards	
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 ms duration, half sine wave)	30 G
	Acoustic Noise	Less than 55 dB sound pressure at 5 ~ 28° C (41 ~ 82° F)	
Physical Characteristics	Altitude	0 to 3,048 m (0 ~ 10,000 ft)	
	Dimensions (W x H x D)	482 x 88 x 480 mm (19" x 3.46" x 18.9")	
	Weight	13.5 kg (29.7 lb)	



The front view of ACP-2320MB

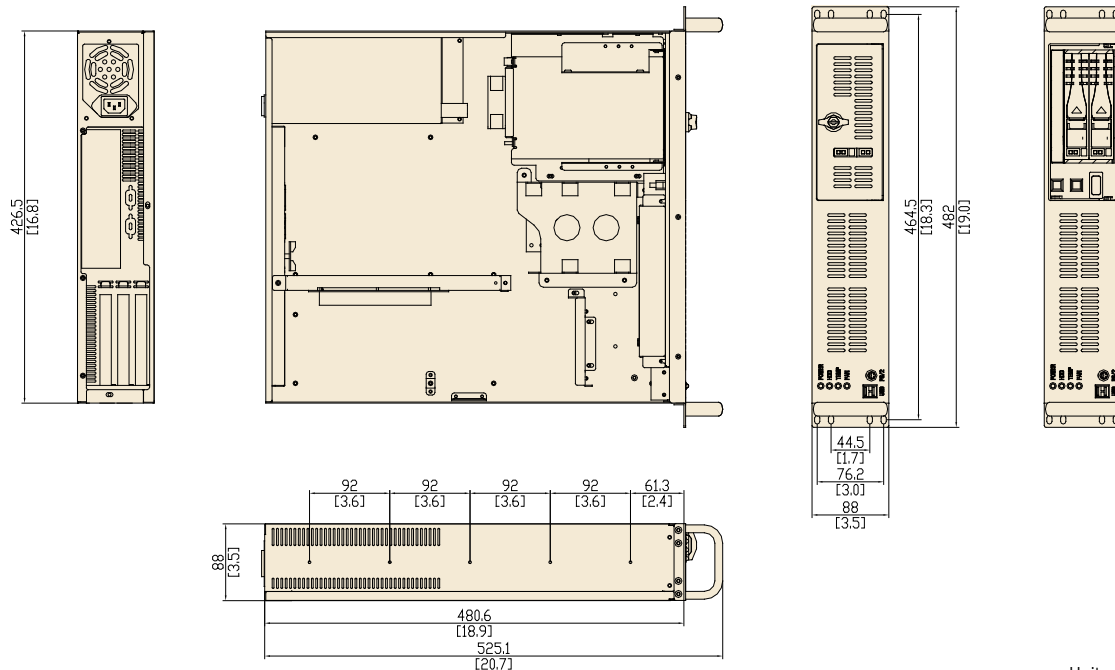


Dual easy-to-maintain  
SATA HDD trays



The inside view of ACP-2320MB

## Dimensions



Unit: mm (inch)

## Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
1757000105G (ATX, PFC)	400 W	AC 100 ~ 240 V (full-range)	+5 V @ 25 A, +3.3 V @ 20 A +12 V @ 28 A, -12 V @ 0.5 A -5 V @ 0.5 A, +5 Vsb @ 2 A	+5 V @ 3 A, +12 V @ 2 A +3.3 V @ 1 A, +5 Vsb @ 0.1 A	UL/TUV/CB/CCC	100,000 hours @ 25° C
1757000007G (ATX, PFC)	300 W	AC 100 ~ 240 V (full-range)	+5 V @ 35 A, +3.3 V @ 20 A +12 V @ 16 A, -12 V @ 1 A -5 V @ 0.5 A, +5 Vsb @ 2 A	+5 V @ 3 A, +12 V @ 2 A -5 V @ 0.05 A, -12 V @ 0.05 A +3.3 V @ 1 A, +5 Vsb @ 0.1 A	UL/TUV/CB/CCC	97,800 hours @ 25° C

## Ordering Information

Part Number	Power Supply	Motherboard/ Backplane	Regulation
ACP-2320MB0-00XE	-	-	-
ACP-2320MB0-30ZE	1757000007G	-	CE
ACP-2320MB0-40ZE	1757000105G	-	CE

## Accessories

Part Number	Description
1700060202	Y-cable for PS/2 mouse and keyboard
1750000257	2U-high P4 Socket 478 CPU cooler up to 3.2 GHz (89 W)
1750000332	2U-high LGA775 P4 CPU cooler up to 3.8 GHz
1750000191	Fan 60 x 60 x 25 mm
1759200650	Fan 80 x 80 x 25 mm
SDVD-CDRWE	Black slim 8X DVD + 24X CD-RW with 40-pin IDE connector
SCD-R0ME	Black slim 24X CD-ROM with 40-pin IDE connector
9680002285	Rear I/O bracket for 1025-profile add-on cards

## Riser Card Options

Model Name	Interface	Expansion Slot	Motherboard
AIMB-R4301-03A1E	PCIe x4	three PCIe x1	AIMB-762/AIMB-554
AIMB-R430P-03A1E	PCIe x4	three PCI	AIMB-762/554
AIMB-RP30P-03A1E	PCI	three PCI	AIMB-750/744/742/740/560
AIMB-RH31P-12A1E	PCI+ PCIe x1	two PCI + one PCIe x1	AIMB-760

\* The riser cards are specially designed to support all Advantech AIMB series motherboards except AIMB-562 & AIMB-542.  
There might be compatibility issues with other vendor's motherboards, so an optional rear I/O bracket for low-profile add-on cards is provided.



The rear view of ACP-2320MB