ACP-2320MB

Features

- Ideal building block for business expansion
- Compact 2U-high rackmount chassis supporting ATX motherboard
- 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 driver bay design to hold two internal 3.5"HDD
- Front-accessible and easy-to-replace air filters
- Butterfly riser card supporting up to three full-length PCI cards
- 300W/400W ATX PFC power supply

CE

Specifications

		Front-accessible	Internal
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), TEMP, 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	
		Operating	Non-Operating
Environment	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 55dB sound pressure at 5 ~ 28 °C (41 ~ 82 °F)	
	Altitude	0 to 3,048 m (0 ~ 10,000 ft)	
Physical Characteristics	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 riser card is specially designed to support Advantech AIMB-700 series. There might be compatibility issue with other vendor's motherboards.
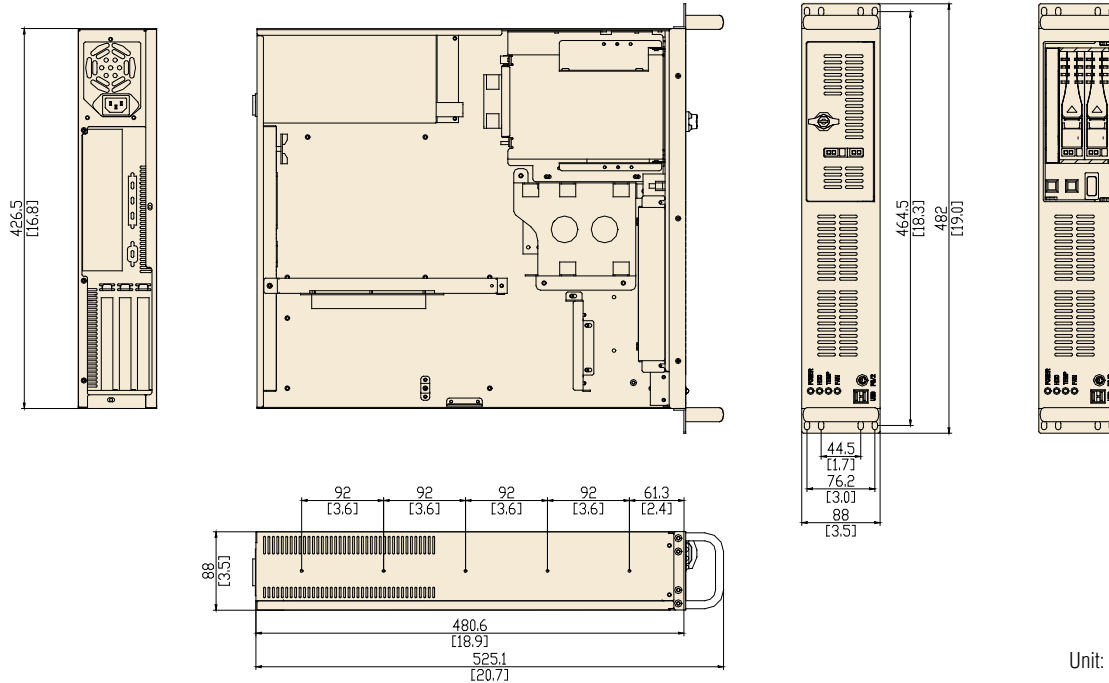

The front view of ACP-2320MB

Dual easy-to-maintain
SATA HDD trays

The inside view of ACP-2320MB

ADVANTECH

Dimensions

Unit: mm (inch)

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
1757000105 (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
1757000007 (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	Riser Card	Motherboard	Regulation
ACP-2320 MB-00X	Not included	9696070000 (for AIMB series only)	Not included (for AIMB series only)	-
ACP-2320 MB-30Z	1757000007	9696070000 (for AIMB series only)	Not included (for AIMB series only)	CE
ACP-2320 MB-40Z	1757000105	9696070000 (for AIMB series only)	Not included (for AIMB series only)	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
1999000630	Fan filter 162 x 54 x 5 mm
1990000498	Door filter
SDVD-CDRW	Black slim-type 8X DVD + 24X CD-RW with 40-pin IDE connector
SCD-ROM	Black slim-type CD-ROM kit with slim 24X CD-ROM and 40-pin IDE connector

The rear view of ACP-2320MB