

# ACP-1010/1320

**1U Rackmount Chassis for Full-size SHB/SBC or ATX/MicroATX Motherboard with Dual SAS/SATA HDD Trays**



## Features

- Space-saving 1U rackmount chassis, ideal building block for business expansion
- Supports full-size SHB/SBC or ATX/MicroATX motherboards
- LED indicators for LAN connectivity, alarm notification of power supply, HDD activity, system fan, and in-chassis temperature
- ACP-1010: supports a slim ODD and two disk drives
- ACP-1320: supports dual mobile SAS / SATA HDD trays
- Supports up to 2 expansion slots in BP version, and 1 expansion slot via riser card in MB version
- Supports both 250W/300W ATX/PFC power supply
- Efficient cooling design prevents the system from over-heating



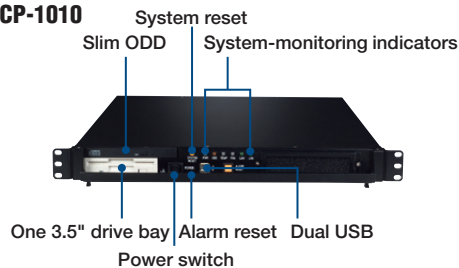
## Specifications

Drive Bay	Slim Optical Disk Drive	Front-accessible	Internal
	3.5"	1	-
Cooling	Fan	1/2 SAS/SATA (mobile trays compatible with 2.5" HDD/SSD) 1 (2.5")	
		BP: 4 (4 cm/24 CFM x 3 + 15 CFM x 1) MB: 2 (4 cm/24 CFM each)	
Front I/O Interface	USB	2	
Miscellaneous	Notification LEDs	System: Power, HDD, Temperature, Fan, LAN1 and LAN2	
	Control	Power switch, system reset & alarm reset button	
	Rear panel	One 9-pin D-Sub opening	
Environment	Temperature	Operating 0 ~ 40° C (32 ~ 104° F)	Non-Operating -20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85% @ 40° C, non-condensing	
	Vibration (5 ~ 500 Hz)	0.5 Grms	
	Shock	10 G (with 11 ms duration, half sine wave)	
		30 G	
Physical Characteristics	Dimensions (W x H x D)	480 x 44 x 497 mm (19" x 1.7" x 19.6") / 480 x 44 x 617 mm (19" x 1.7" x 24.3")	
	Weight	8 kg (17.6 lb) / 8.8 kg (19.4 lb)	

\* This chassis supports up to Intel® Pentium® 4 84W, Core™2 Duo, Core™2 Quad 95W and Core i7-2600 95W processors. We suggest that the ACP-1010 should be operated under 35° C if it uses a Core™2 Quad or Core i7-2600 processor. This is due to the thermal and the power consumption of the SAS HDD being much higher than the SATA HDD while the system is operating.

## Front View

### ACP-1010



## Inside View

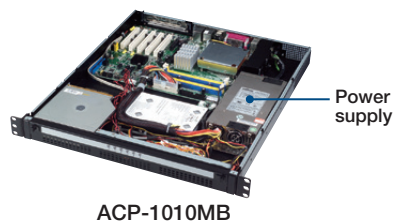
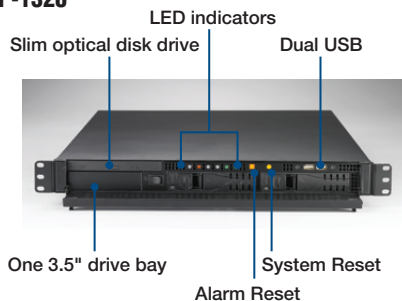


## Rear View



ACP-1010BP/1320BP

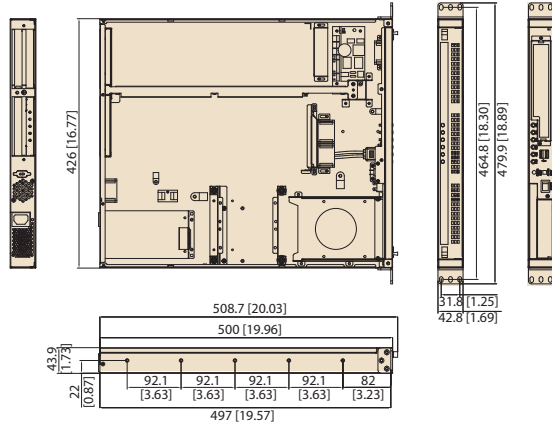
### ACP-1320



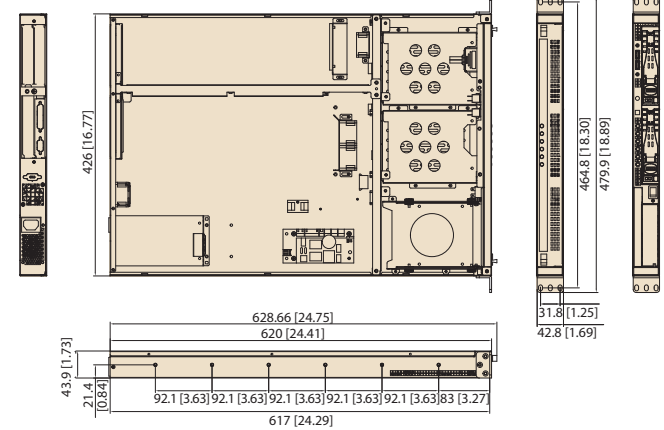
ACP-1010MB/1320MB

## Dimensions

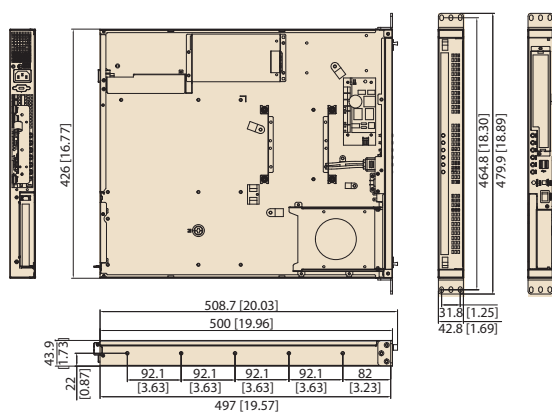
ACP-1010BP



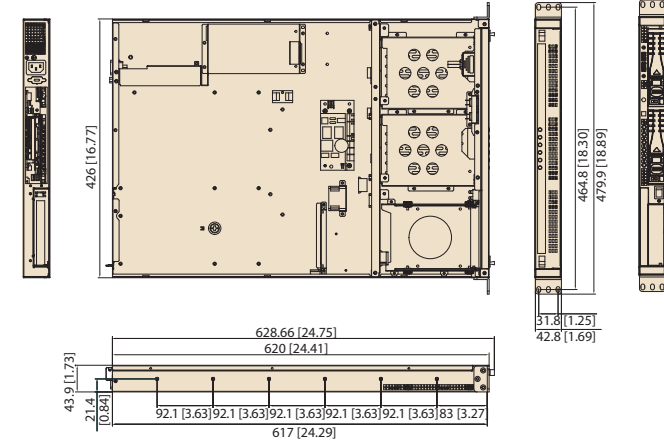
ACP-1320BP



ACP-1010MB



ACP-1320MB



Unit: mm [inch]

## Ordering Information

Part Number	Power Supply
<b>Backplane Version</b>	
ACP-1010BP-00XE	-
ACP-1320BP-00XE	-
<b>Motherboard Version</b>	
ACP-1010MB0-00XE	-
ACP-1320MB0-00XE	-

\*ACP-1010MB/1320 MB does not support AIMB-763, 542, 562 and 564 because the height of the audio connector is over 1U.

## Optional Accessories

Part Name	Description
96CB-SATAPOWER-6P1	SATA power wire 6-pin to big 4-pin (for slim ODD)
1960048353T000	I/O shield for AIMB-780/767/580/566
1960055954T000	I/O shield for AIMB-781/581
19Z0000406T000	I/O shield for ASMB-781/782/820
ACP-1320MB-FANOE	ACP-1320 fan Kit for supporting ASMB

\* Ordering 1 piece of each ACP-1320MB-FANOE and ASMB rear I/O shield is mandatory for configuring ASMB with ACP-1320MB chassis.

## Power Supply Options

(For detailed power supply specs, please refer to Chapter 13)

Part Name	Watts	Specifications Input
BP: 1757001797 (ATX, PFC)	250W	AC 100 ~ 240 v (full-range)
MP: 1757001457 (ATX, PFC)		
BP: 1757000160G (ATX, PFC)	300W	AC 100 ~ 240 v (full-range)
MP: 1757000263 (ATX, PFC)		

## Backplane Options

Part Name	Slot	CPU Card
<b>PICMG 1.3</b>		
PCE-5B03V-01A1E	One CPU, one PCIe x16, one PCI (32-bit/33 MHz)	PCE-5000 Series
PCE-5B03V-00A1E	One CPU, one PCIe x16, one PCIe x4	
<b>PICMG 1.0</b>		
989K610302E (PCA-6103P2V-0A2E)	One CPU, 2 PCI (32-bit/33 MHz)	PICMG 1.0 Full-Size SBC

## Spare Parts

Part Name	Description
2130007889S000	Filter 170 x 32 x 5 mm for ACP-1010
9662132020E	Black mobile HDD tray