

ACP-4362/4360

4U Rackmount Chassis with 6 Hot-swap SATA Trays for RAID

NEW

PICMG 1.0

PICMG 1.3



Features

- Supports up to six SATA HDDs, which can be hot-swappable if a SATA RAID card is used
- Supports either an ATX motherboard or a backplane up to 15 slots
- Supports one slim CD-ROM and one 3.5" FDD or internal HDD
- LED indicators for LAN connectivity and alarm notification for redundant power supply, HDD activity, system fan & in-chassis temperature
- Reusable, front-accessible filters for easy maintenance
- Two alternative series: the standard ACP-4360 features better flexibility for RAID cards; the deluxe ACP-4362 provides complete RAID solutions with two optional RAID cards



Specifications

Drive Bay	Slim CD-ROM	Front-accessible	1
	3.5"	6 SATA HDDs + 1	
Cooling	Fans	One 114 CFM and two 47 CFM	
	Air Filters	Yes	
I/O Interfaces	USB	2 (front-accessible)	
Miscellaneous	Notification LEDs	System: PWR, HDD (for IDE drives only), Fan, Temperature, LAN1 and LAN2 * Six SATA HDD trays: HDD power on/off and activity	
	Rear Panel	BP version: One D-Sub 9-pin opening MB version: Five D-Sub 9-pin and one 68-pin SCSI openings	
	Slide Rails	General Devices (http://www.generaldevices.com) C-300 series supported (not included)	
Environment	Temperature	Operating	Non-Operating
		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 56 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 177 x 500 mm (19" x 7" x 19.7")	
	Weight	19.0 kg (41.8 lb)	

* If a third party RAID card is used, SATA HDD hot swappability may be supported, but no HDD failure and data rebuild indication is available.



PWR Temp. LAN1
HDD FAN LAN2



Rear view of ACP-4362MB



Easy-to-maintain system fan

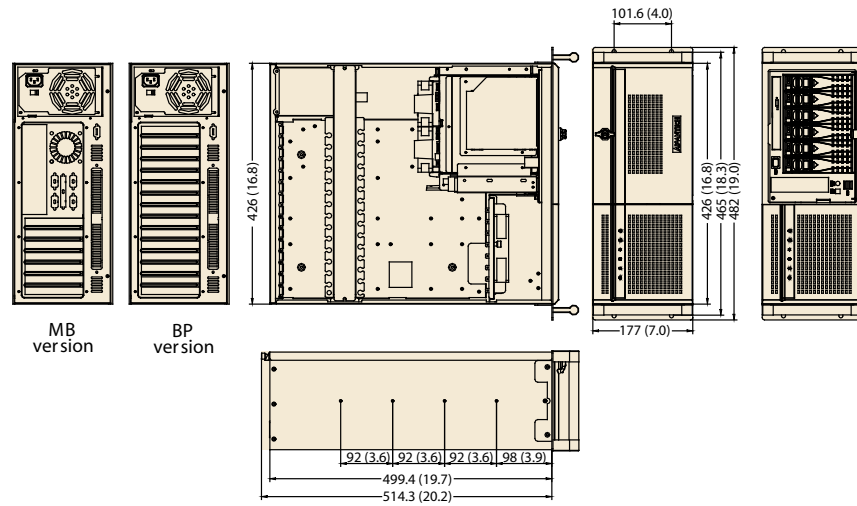
Power switch Slim CD-ROM



3.5" FDD or internal HDD
System reset
Alarm reset
USB

Six hot-swap SATA HDD trays

Dimensions



Unit: mm (inch)

Power Supply Options

Part Number	Watt	Input	Output	Specifications		Safety	MTBF
				Mini-load			
PS-400ATX-ZBE (ATX, PFC)	400 W	AC 100 ~ 240 V (full-range)	+5 V @ 35 A, +3.3 V @ 25 A +12 V @ 30 A, -5 V @ 0.8 A -12 V @ 1 A, +5 Vsb @ 2 A	+5 V @ 3 A, +3.3 V @ 1 A +12 V @ 1 A, +5 Vsb @ 0.1 A		UL/cUL/TUV/CB/CCC	91,000 hrs @ 25° C
PS-500ATX-ZE (ATX, PFC)	500 W	AC 100 ~ 240 V (full-range)	+5 V @ 40 A, +3.3 V @ 30 A +12 V @ 32 A, -5 V @ 0.8 A -12 V @ 1 A, +5 Vsb @ 2 A	+5 V @ 2.5 A, +12 V @ 1 A, +5 Vsb @ 0.1 A		UL/cUL/TUV/CB/CCC	98,000 hrs @ 25° C
PS-700ATX-ZE (ATX, PFC)	700 W	AC 100 ~ 240 V (full-range)	+5 V @ 50 A, +3.3 V @ 45 A +12 V @ 36 A, -5 V @ 0.8 A -12 V @ 1 A, +5 Vsb @ 2 A	+5 V @ 2.5 A, +3.3 V @ 1 A +12 V @ 1 A, +5 Vsb @ 0.1 A		UL/cUL/TUV/CB/CCC	72,000 hrs @ 25° C
RPS-400ATX-ZE (ATX, PFC)	400 W	AC 100 ~ 240 V (full-range)	+5 V @ 35 A, +3.3 V @ 25 A +12 V @ 28 A, -5 V @ 0.5 A -12 V @ 1.2 A, +5 Vsb @ 2 A	+5 V @ 3 A, +3.3 V @ 1 A +12 V @ 2 A, +5 Vsb @ 0.1 A		UL/cUL/TUV/CB/CCC	100,000 hrs @ 25° C

Recommended Configurations

CPU Card and Supported Backplane	Chassis and P/S	SATA RAID Card
PCE-7210 (PICMG 1.3 Dual Xeon SHB) and PCE-7B13-64A1E (backplane with 1 SHB, 2 PCIe x8, 6 PCI-X, and 4 PCI slots)	ACP-4362BP-00XE with PS-700ATX-ZE	9680001857 9680001858
PCE-5120 (PICMG 1.3 LGA775 Pentium SHB) and PCE-5B12-64A1E (backplane with 1 SHB, 1 PCIe x16, 6 PCI-X, 4 PCI slots)	ACP-4362BP-40ZE ACP-4362BP-50ZE ACP-4362BP-40RE	9680001857 9680001858
AIMB-762 (LGA775 Pentium ATX motherboard)	ACP-4362MB-40ZE ACP-4362MB-50ZE ACP-4362MB-40RE	9680001858 (PCIe 8-port SATA RAID card)
AIMB-744 (Socket 478 Pentium ATX motherboard)	ACP-4362MB-40ZE ACP-4362MB-50ZE ACP-4362MB-40RE	9680001857 (PCI-X 8-port SATA RAID card)

ACP-4360 supports all Advantech ATX/microATX motherboards and most 14/15-slot passive backplanes. For more information about backplane options, please refer to Advantech's backplane selection guide.

Accessories

Part Number	Description
9680001857	PCI-X eight-port SATA RAID card
9680001858	PCIe x8 eight-port SATA RAID card
96FDD-144-TE-B	Black 3.5" FDD
96SCD-24X-I-OD-B	Black slim 24X CD-ROM
96SCOM-24X8X-TE-B1	Black slim 24X/8X/24X DVDRW-ROM

Ordering Information

Part Number	Power Supply	Motherboard/ Backplane	Regulation
MB Version			
ACP-4362MB-00XE	Without power supply, with ATX switch	-	-
ACP-4362MB-40ZE	PS-400ATX-ZBE	-	CE
ACP-4362MB-50ZE	PS-500ATX-ZE	-	CE
ACP-4362MB-40RE	RPS-400ATX-ZE	-	CE
ACP-4360MB-00XE	Without power supply, with ATX switch	-	-
ACP-4360MB-40ZE	PS-400ATX-ZE	-	CE
BP Version			
ACP-4362BP-00XE	Without power supply, with ATX switch	-	-
ACP-4362BP-40ZE	PS-400ATX-ZBE	-	CE
ACP-4362BP-50ZE	PS-500ATX-ZE	-	CE
ACP-4362BP-40RE	RPS-400ATX-ZE	-	CE
ACP-4360BP-00XE	Without power supply, with ATX switch	-	-
ACP-4360BP-40ZE	PS-400ATX-ZE	-	CE