

ACP-4362/4360

4U Rackmount Chassis with 6 Mobile SATA Trays for RAID

NEW



Features

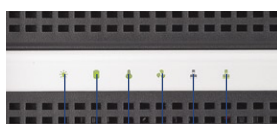
- Supports up to six SATA HDDs, which can be hot-swappable while a SATA RAID card is applied
- Supports either an ATX motherboard or a backplane with up to 15 slots
- Supports one slim-type CD-ROM and one 3.5" FDD or internal HDD
- LED indicators for LAN connectivity and alarm notification for redundant 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
	3.5"	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, TEMP, LAN1 and LAN2 * Six SATA HDD trays: HDD power on/off and activity
	Openings on real 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: 0 ~ 40° C (32 ~ 104° F) Non-Operating: -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)
	Altitude	0 to 3,048 m (0 ~ 10,000 ft)
Physical Characteristics	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)

*While a third party's RAID card is applied, the unit may support the SATA HDD hot swappability feature but no HDD failure and data rebuild indication available.



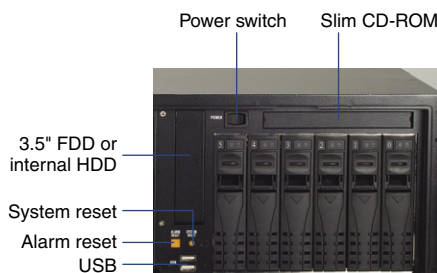
PWR TEMP LAN1 LAN2
HDD FAN



Rear view of ACP-4362MB

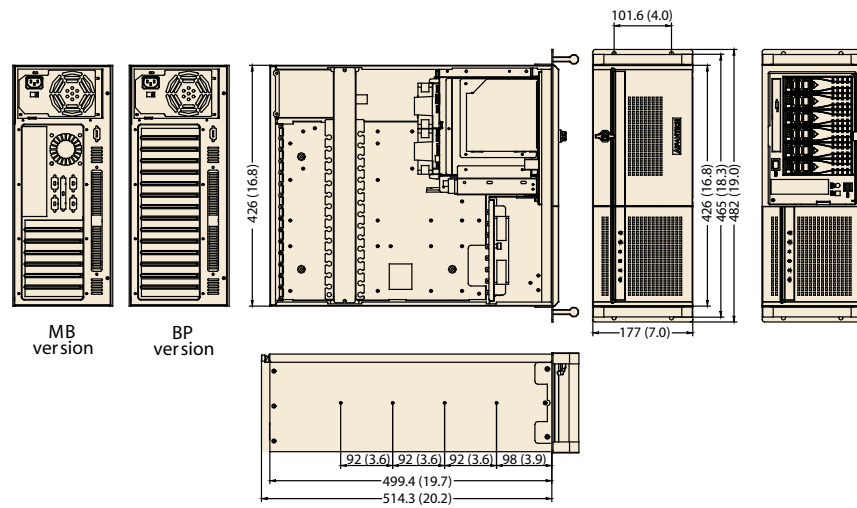


Easy-to-maintain system fan



Six hot-swap SATA HDD trays

Dimensions



Unit: mm (inch)

Power Supply Options

Part Number	Watt	Input	Output	Specifications Mini-load	Safety	MTBF
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 @ 50 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, +3.3 V @ 1 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

System Configuration Recommendations for ACP-4362

CPU Card and Supported Backplane	Chassis (inc. P/S)	SATA RAID Card
PCE-7210 (PICMG 1.3 Dual Xeon SHB) and PCE-7B13-64A1E (backplane with 1 SHB, 2 PCIe x 8, 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-type 24X CD-ROM
96SDVR-8X-I-QS-B	Black slim-type 24X/8X/24X DVDRW-ROM

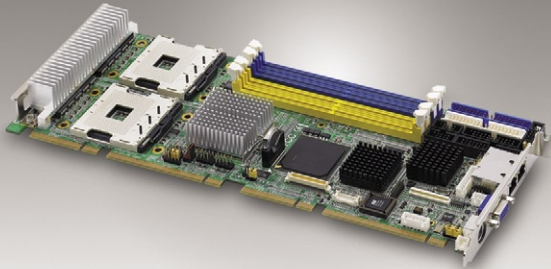
Ordering Information

Part Number	With Power Supply	Mother Board/ 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	-	-
ACP-4360MB-40ZE	with ATX switch	-	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	-	-
ACP-4360BP-40ZE	with ATX switch	-	CE

PCE-7210

Dual Socket 604 Intel® Xeon® / LV Xeon® Processor Card with PCI Express/IPMI/VGA/Dual Gigabit LAN

NEW



Features

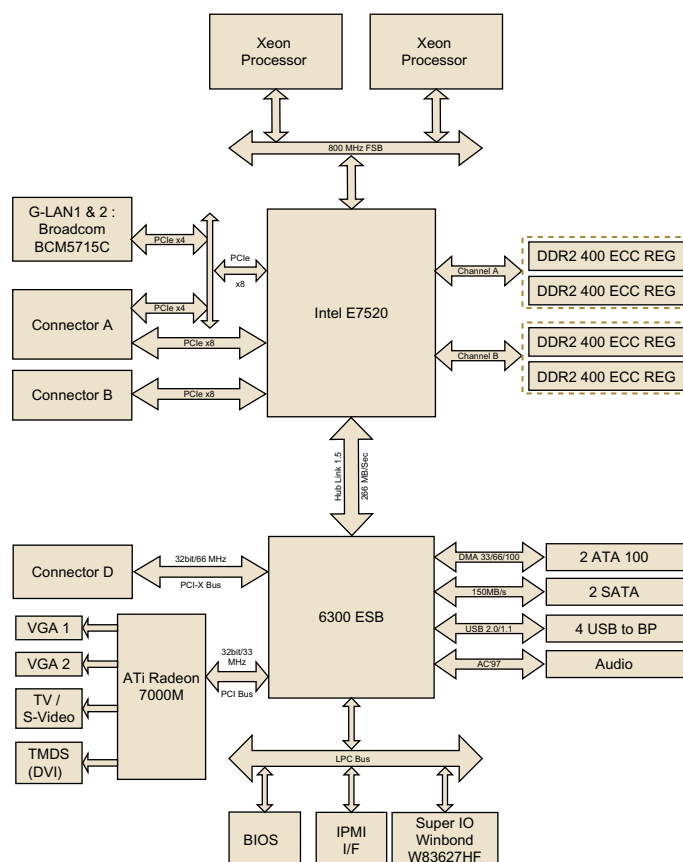
- Compliance with PICMG 1.3
- Supports single/dual socket 604 Intel® Xeon® /LV Xeon® 800 MHz FSB
- Supports dual channel DDR2 400 ECC registered SDRAM up to 8 GB
- Two PCIe x8 and one PCIe x4 links to backplane
- Dual Gigabit Ethernet via PCIe x4 port
- On board IPMI module (optional)
- 2 SATA HDDs support S/W SATA RAID 0,1



Specifications

Processor System	CPU	Dual Intel® Xeon® /LV Xeon® processors						
	Max. Speed	3.6 GHz						
	L2 Cache	2 MB						
	Chipset	Intel E7520+6300ESB						
	BIOS	Award 4 Mb FWH						
	Front Side Bus	800 MHz						
Bus	PCI-Express	Two x8 & One x4 to back plane; one x4 for LAN chip						
	PCI	32bit/66 MHz PCI-X						
Memory	Technology	Dual-channel DDR2 400 MHz (ECC Registered DIMMs)						
	Max. Capacity	8 GB						
	Socket	240-pin DIMM x 4						
Graphic	Controller	ATI RADEON 7000M (PCI 32 bit/33 MHz)						
	VRAM	16 MB frame buffer memory						
	Video Output	15 pin CRT connector x1 (up to 2048 x 1536 at 60 Hz), VGA2, TV-out, S-video, DVI						
Ethernet	Interface	10/100/1000Base-T						
	Controller	LAN1& 2: Broadcom 5715C (Dual Gigabit port)						
	Connector	RJ45 with LED connector x 2						
SATA	Max. Data transfer rate	150MB/s						
	Channel	2						
EIDE	Mode	ATA 100/66/33						
	Channel	2 (Max. 4 devices)						
PCI expansion (optional)		32-bit, 33MHz PCI expansion slot, it can be used for SCSI board or PCA-GIGA and etc...						
GPIO		GPIO pin x 8						
I/O Interface	USB	Max. 4 (USB 2.0 compliant) to Backplane						
	Serial	3 (RS-232) with Pin Header						
	Parallel	1 (SPP/EPP/ECP)						
	FDD	1						
	PS/2	1						
Watchdog Timer	Output	System reset						
	Interval	Programmable 1, 2, 4, 8,..., 256 sec						
Miscellaneous	Audio Output	AC'97 audio interface (requires an audio extension module P/N: PCA-AUDIO-00A1E)						
Power Requirement	Typical	Intel® Xeon® 3.2GHz/2M/800/110W x 2; DDR2 2GB x 4						
		+12V	+5V	+3.3V	+5VSB	-12V	-5V	
		20.5 A	3.28 A	11.51 A	0.42 A	0A	0A	
Environment		Operating				Non-Operating		
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU's speed				-20 ~ 80° C (-40 ~ 176° F)		
Physical	Dimensions	338.58 mm (L) x 126.39 mm (W) (13.3" x 4.98")						

Block Diagram



Ordering Information

Part Number	IPMI	Gigabit LAN	VGA	RoHS
PCE-7210G2-00A1E	Optional	Dual	Yes	Yes

Bracket View



PCE-7210G2-00A1E

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	1
1701400452	Ultra ATA 66/100 HDD cables	2
1700071000	Serial ATA HDD data cable	2
1703150102	Serial ATA HDD power cable	2
1701260305	Printer + COM cable	1
1701092300	Dual COM port cable kit	1
1700060202	Y cable for PS/2 keyboard and mouse	1
1750000282	CPU cooler	2
1700000259	VGA cable	1
1700000784	Video Cable (S/Composite terminal)	1
9689000068	Jumper pack	1
-	Startup manual	1
-	Utility CD	1

Accessories

Part Number	Description
PCA-AUDIO-00A1E	Audio extension module
1700000821	DVI cable