

# IPC-7132

## Cost-effective Wallmount Chassis for ATX/uATX Motherboard



CE FCC

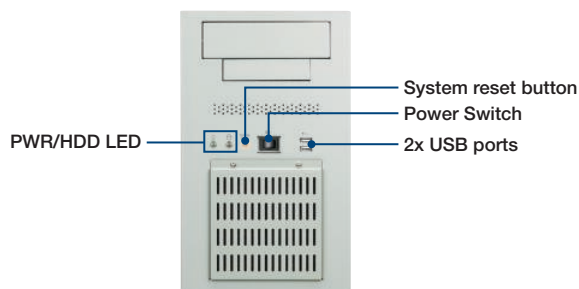
### Features

- Supports ATX/uATX motherboard
- Shockproof drive bay for one 5.25" ODD and three 3.5" HDDs
- Thumb-screw for top cover easy opening
- Bidirectional option to mount chassis on wall or workbench
- Two front access USB ports

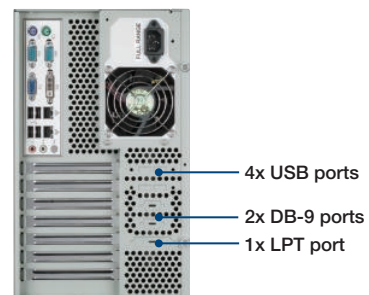
### Specifications

		External	Internal
Disk Drive Bay	3.5"	1	2
	5.25"	1	-
Cooling	Fan	1 (12 cm/85 CFM)	
	Air Filters	Yes	
Front I/O interface	USB 2.0	2	
Miscellaneous	LED Indicators	Power, HDD	
	Control	Power Switch, System Reset Button	
	Rear panel	4x USB, 2x DB-9, 1x LPT port	
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)	
	Dimensions (W x H x D)	200 x 330 x 430 mm (7.9" x 13" x 16.9")	
Physical Characteristics	Weight	9.96 kg (21.93 lb)	

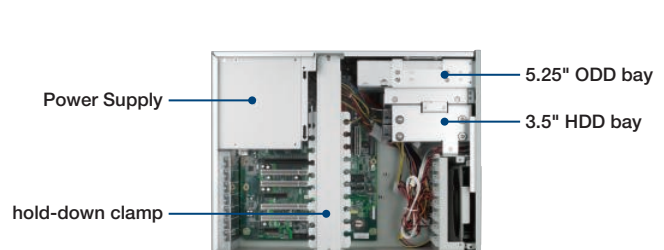
### Front View



### Rear View



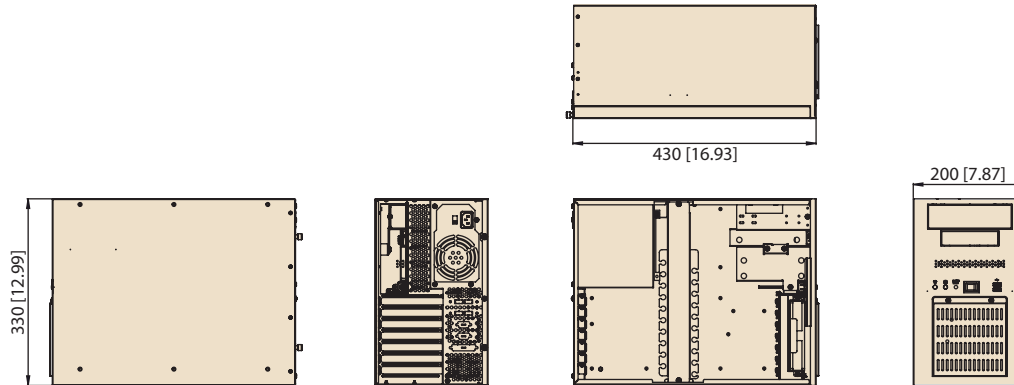
### Inside View



Easy-to-maintain cooling fan

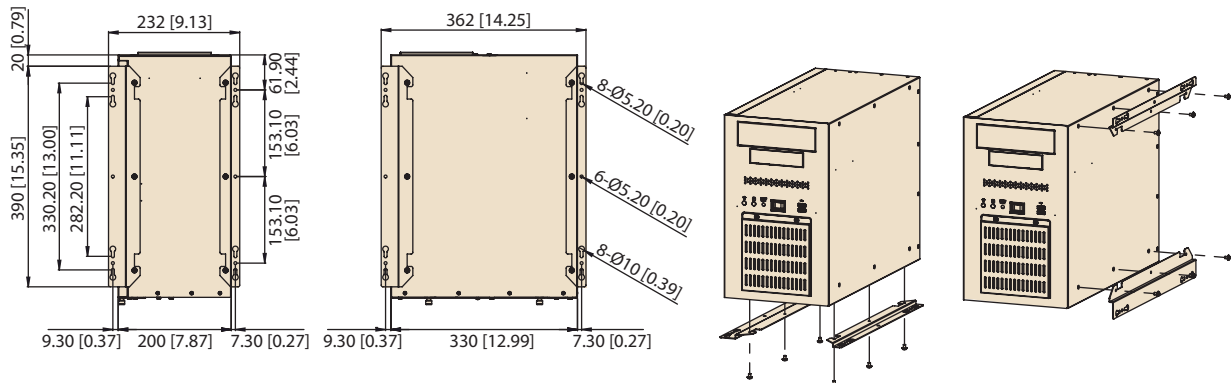
## Dimensions

Unit: mm [inch]



## Installation

Unit: mm [inch]



## Ordering Information

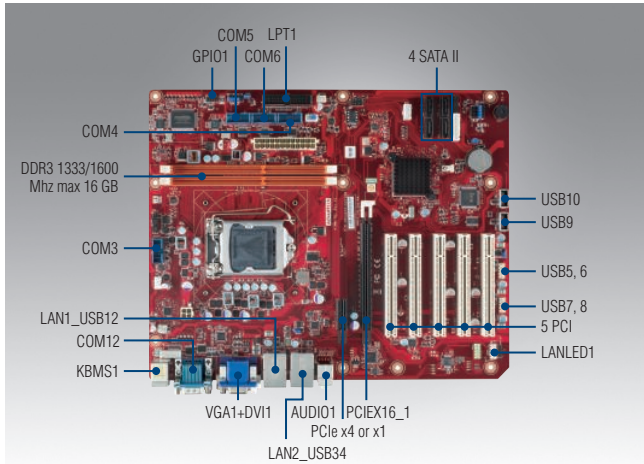
Model Name	Power Supply	Wattage	Switch Type
IPC-7132MB-25ZE	PS8-250ATX-ZE	250W	ATX
IPC-7132MB-30ZE	PS8-300ATX-ZBE	300W	ATX
IPC-7132MB-40ZE	PS8-400ATX-ZE	400W	ATX

## Optional Accessories

Part Number	Description
IPC-DT-3120E	Mobile HDD tray for dual 2.5" SATA HDDs
1750006427	87.87 CFM, system fan 120 x 120 x 25.0 mm

# AIMB-701

LGA1155 3rd Intel® Core™ i7/i5/i3/  
Pentium® ATX with DVI/VGA, Dual GbE LAN



## Features

- Supports Intel® Core™ i7/i5/i3/Pentium® processor with H61 chipset
- Two DIMM sockets support up to 16 GB DDR3 1066/1333/1600
- Supports dual display VGA/DVI-D and dual GbE LAN
- Supports RS-232/422/485 with auto flow control
- Supports one PCIe x16 and 5 PCI expansion slots

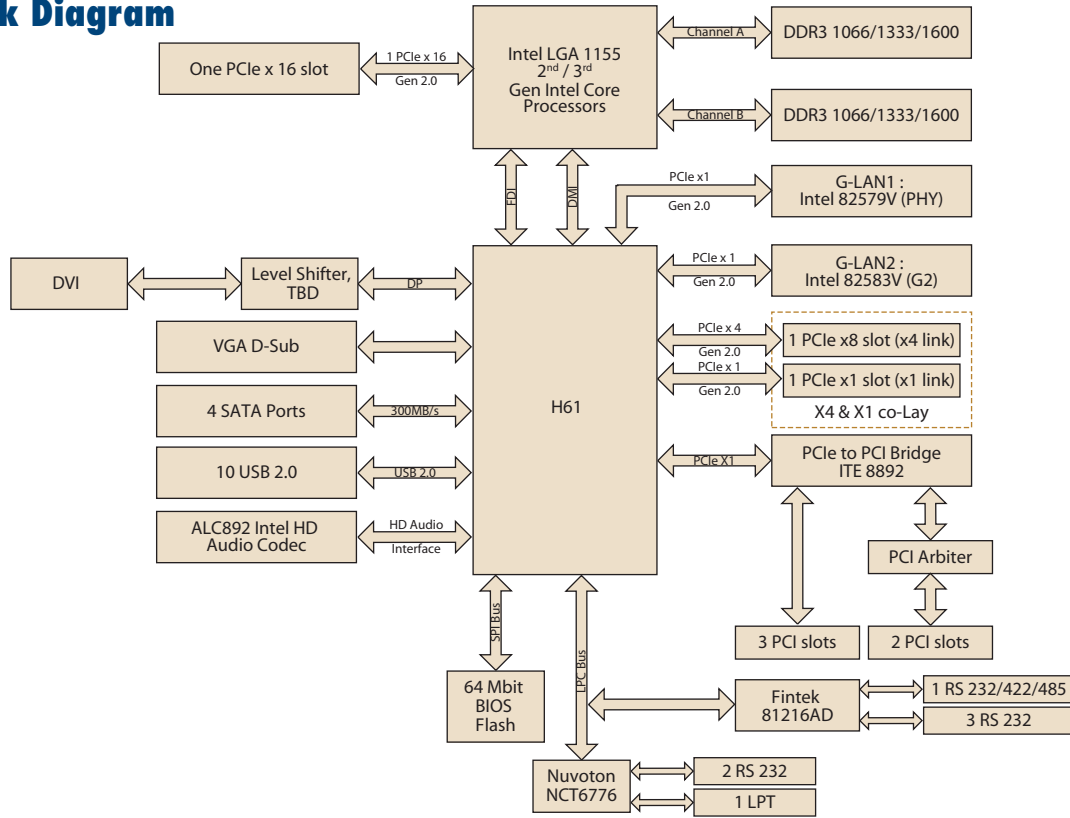
Quiet

## Specifications

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Processor System	CPU	Core i7 3xxx	Core i5 3xxx	Core i3 3xxx	Pentium G8xx
	Speed	3.4 GHz	3.4/3.3 GHz	3.4 GHz	2.9 GHz
	L3 Cache	8 MB	6 MB	3 MB	3 MB
	Socket	LGA1155			
	Chipset	H61			
	BIOS	AMI 64 Mbit SPI			
Expansion Slot	PCI	32-bit/33 MHz, 5 slots			
	PCIe x 1 (Gen2)	500 MB/s, 1 slot for G2 SKU			
	PCIe x 4 (Gen2)	2.0 GB/s, 1 slot for VG SKU			
	PCIe x16 (Gen2)	8 GB/s, 1 slot			
Memory	Technology	Dual Channel DDR3 1066/1333/1600 (1600 is only supported by Core i7/i5/i3 3xxx series processors)			
	Max. Capacity	16 GB			
	Socket	2 x 240-pin DIMM			
Graphics	Controller	Intel HD Graphics			
	VRAM	1 GB maximum shared memory with 2 GB and above system memory installed			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Intel 82579V, GbE LAN2: Intel 82583V			
	Connector	RJ-45 x 2			
SATA	Max Data Transfer Rate	300 MB/s			
	Channel	4			
Rear I/O	VGA	1			
	DVI	1 for G2 version			
	Ethernet	2 for G2 version; 1 for VG version			
	USB	4			
	Audio	2 (Mic-in, Line-out)			
	Serial	2 (RS-232)			
	PS/2	2 (1 x keyboard and 1 x mouse)			
Internal Connectors	USB	6			
	Serial	4 for G2 version (3 x RS-232, 1 x RS-232/422/485 with auto-flow control)			
	IDE	-			
	SATA	4			
	Parallel	1			
	IrDA	1			
Watchdog Timer	GPIO	8-bit			
	Output	System reset			
Power Requirement	Interval	Programmable 1 ~ 255 sec			
	Power On	Intel i7 2600 3.4 GHz processor, DDR3 4 GB x 2			
		3.3 V	5 V	12 V	5 Vsb
Environment		1.01 A	1.08 A	5.48 A	1.76 A
	Operating	0 ~ 60° C (32 ~ 140° F)		Non-Operating	
	Temperature	(Depends on CPU speed and cooler solution)		-40 ~ 85° C (-40 ~ 185° F)	
Physical Characteristics	Dimensions	304.8 x 244 mm (12" x 9.6")			

### Block Diagram



### Ordering Information

Part Number	Chipset	Memory	Display	USB 2.0	COM	GbE LAN	PCIe x1	PCIe x4	SW RAID
AIMB-701G2-00A1E	H61	Non-ECC	VGA + DVI	10	6	2	Yes	NA	NA
AIMB-701VG-00A1E	H61	Non-ECC	VGA	10	2	1	NA	Yes	NA

### Packing List

Description	Quantity
SATA HDD cable	x 2
SATA power cable	x 1
I/O port bracket	x 1
Startup manual	x 1
Driver CD	x 1

### Optional Accessories

Part Number	Description
1700002204	Dual port USB 2.0 cable (27 cm) with bracket
1960047669N001	LGA1155/1156 CPU cooler for 4U and wallmount chassis
1960047831N001	LGA1155/1156 CPU cooler for 2U and wallmount chassis
1960049408N001	LGA1155/1156 CPU cooler for 1U and wallmount chassis
1700020294-01	Printer port cable kit (42 cm)
1701092300	COM port cable kit (28.5 cm)
1700018633-05A4	COM port cable kit (60 cm)
1960055954T000	I/O port bracket for 1U chassis

Note 1: Purchasing AIMB-701's proprietary CPU cooler from Advantech is a must. Other brands' CPU coolers are NOT compatible with AIMB-701.

Note 2: 1960049408N001 is design to be used with Advantech 1U chassis and supports up to 73W processor, user needs to conduct thermal test before using this cooler with other brand chassis.

### I/O View



AIMB-701G2-00A1E



AIMB-701VG-00A1E

### Riser Card

Part Number	Description
AIMB-R4104-01A1E	1U riser card with 1 PCIe x4 expansion
AIMB-R430P-03A2E	2U riser card with 3 PCI expansion



# Intel® Core™ i5-3470 Processor (6M Cache, up to 3.60 GHz)

## Specifications

### - Essentials

Processor Number	i5-3470
Status	Launched
Launch Date	Q2'12
Lithography	22 nm
Recommended Customer Price	\$184.00 - \$195.00

### - Performance

# of Cores	4
# of Threads	4
Processor Base Frequency	3.20 GHz
Max Turbo Frequency	3.60 GHz
Cache	6 MB SmartCache
Bus Speed	5 GT/s DMI
TDP	77 W



### - Supplemental Information

Embedded Options Available	 No
Conflict Free	Yes
Datasheet	<a href="#">Link</a>

### - Memory Specifications

Max Memory Size (dependent on memory type)	32 GB
Memory Types	DDR3 1333/1600
Max # of Memory Channels	2
Max Memory Bandwidth	25.6 GB/s
ECC Memory Supported ‡	 No

### - Graphics Specifications

Processor Graphics ‡	Intel® HD Graphics 2500
Graphics Base Frequency	650.00 MHz
Graphics Max Dynamic Frequency	1.10 GHz
Intel® Quick Sync Video	 Yes
Intel® InTru™ 3D Technology	Yes
Intel® Wireless Display	 Yes
Intel® Flexible Display Interface (Intel® FDI)	Yes
Intel® Clear Video HD Technology	Yes
# of Displays Supported ‡	3
Device ID	0x152







- Expansion Options

PCI Express Revision	3.0
PCI Express Configurations ‡	up to 1x16, 2x8, 1x8 & 2x4

- Package Specifications

Sockets Supported	FCLGA1155
Max CPU Configuration	1
Thermal Solution Specification	2011D
T <sub>CASE</sub>	67.4°C
Package Size	37.5mm x 37.5mm
Low Halogen Options Available	See MDDS

- Advanced Technologies

Intel® Turbo Boost Technology ‡	2.0
Intel® vPro Technology ‡	 Yes
Intel® Hyper-Threading Technology ‡	 No
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	 Yes
Intel® VT-x with Extended Page Tables (EPT) ‡	 Yes
Intel® TSX-NI	No
Intel® 64 ‡	 Yes
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2, AVX
Idle States	Yes
Enhanced Intel SpeedStep® Technology	 Yes
Thermal Monitoring Technologies	Yes
Intel® Identity Protection Technology ‡	Yes

- Intel® Data Protection Technology

Intel® AES New Instructions	 Yes
Secure Key	Yes

- Intel® Platform Protection Technology

Trusted Execution Technology ‡	 Yes
Execute Disable Bit ‡	Yes
Anti-Theft Technology	Yes

## Compatible Products

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- Chipsets

Compare	Product Name	Status	Bus Speed	Recommended Customer Price	PCI Express Revision	USB Revision
Compare All +	<a href="#">Intel® Z77 Express Chipset</a>	Launched		\$48.00	2.0	3.0/2.0