

IPC-610-H

4U Rackmount Chassis with Visual & Audible Alarm Notification



CE FCC RoHS COMPLIANT PRODUCT

Features

- 4U rackmount chassis supports up to 15 add-on cards
- Shock-resistant disk drive bay design holds up to three 5.25" and one 3.5" disk drives
- Front accessible USB & PS/2 interfaces for easy data transfer
- Dual front-accessible filtered cooling fans provide optimized and streamlined airflow
- Front LEDs indicate power status, and HDD activity
- Lockable front door prevents unauthorized access
- Supports 300 W single PS/2 and redundant ATX power supplies

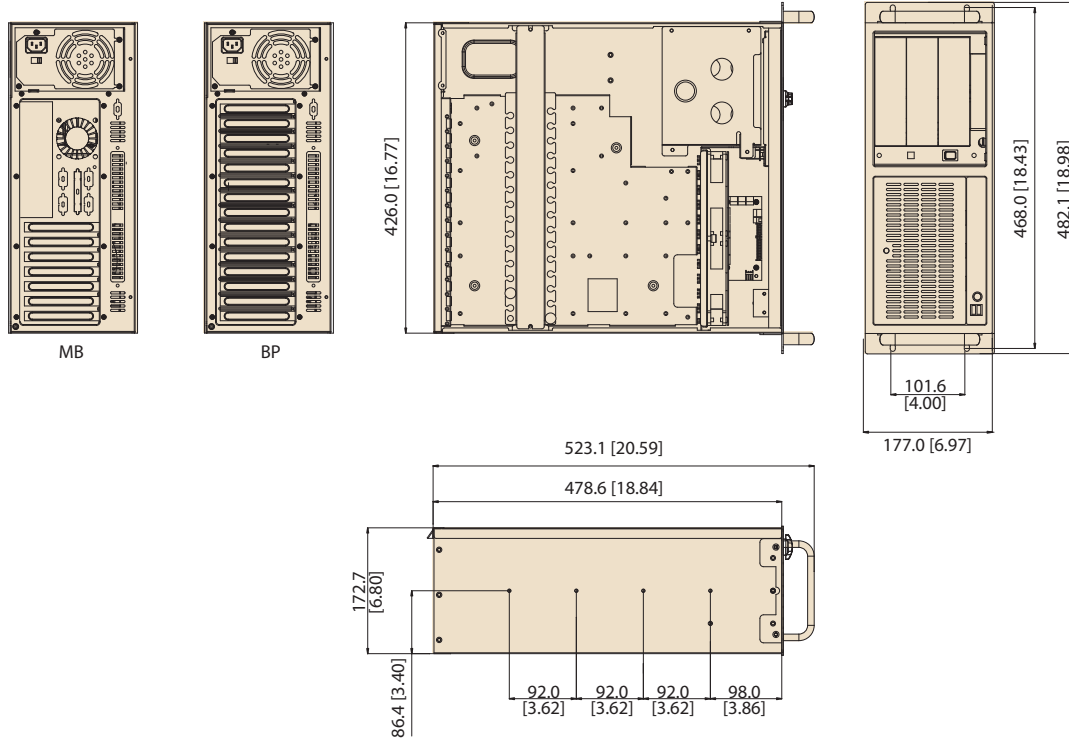
Specifications

Drive Bay		Front-accessible	
	3.5"	1	
Cooling	Fan	2 (12 cm / 85 CFM each)	
	Air Filter	Yes	
Front I/O Interface	USB	2	
	PS/2	1	
Miscellaneous	LED Indicators	Power, HDD, and power voltage status	
	Rear Panel	Backplane version: One 9-pin D-Sub opening Motherboard version: Five 9-pin D-Sub & one 68-pin SCSI openings	
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
Physical Characteristics	Dimensions (W x H x D)	482 x 177 x 479 mm (19" x 7" x 18.9")	
	Weight	15 kg (33 lb)	



Dimensions

Unit: mm [inch]



Ordering Information

Part Number	Power Supply
Backplane Version	
IPC-610BP-00XHE	Without power supply, with ATX switch
IPC-610BP-30ZHE	PS-300ATX-ZBE
Motherboard Version	
IPC-610MB-00XHE	Without power supply, with ATX switch
IPC-610MB-30ZHE	PS-300ATX-ZBE

Optional Accessories

Part Number	Description
2130006147S000	Door filter 97.6 x 36.6 x 5 mm
2130004803S000	Fan filter 115 x 195 x 5 mm
1700006916	ATX 24P/20P + 4P + 15P 60cm (connecting from power supply to LED board)
1700006917	Two Mini DIN (connect to MB) / 6P (connect to front I/O board) PS2 KB/Mouse cable

* If users use AIMB-763 or 3rd party motherboard, they need to purchase 1700006915 or 1700006916 for the front voltage LEDs to function normally. And they also need to purchase 1700006917 to make front PS/2 function normally.

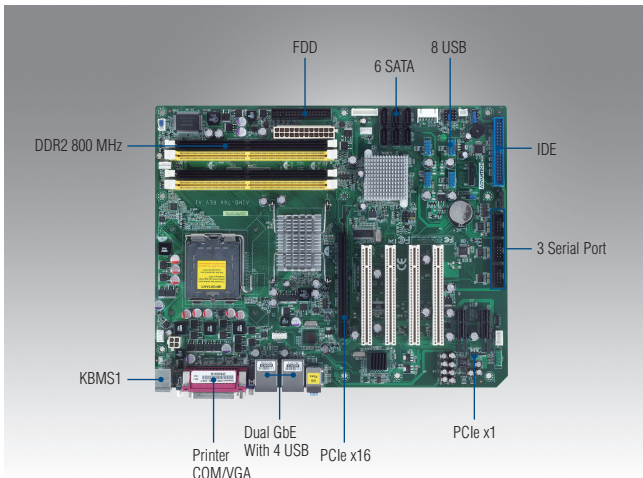
Power Supply Options

(For detailed power supply specs, please refer to Chapter 7)

Part Number	Specifications	
	Watts	Input
PS-300ATX-ZBE (ATX, PFC)	300 W	AC 100 ~ 240 V (full range)
PS-400ATX-ZBE (ATX, PFC)	400 W	AC 100 ~ 240 V (full range)
RPS-300ATX-ZE (ATX, PFC) (1+1 redundant)	300 W	AC 100 ~ 240 V (full range)
PS-300ATX-DC48E (ATX)	300 W	DC -48 V

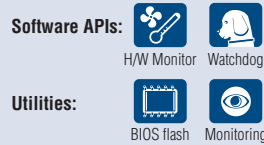
AIMB-766

LGA775 Intel® Core™ 2 Quad/Core™ 2 Duo ATX with VGA, 4 COM, and Dual LAN



Features

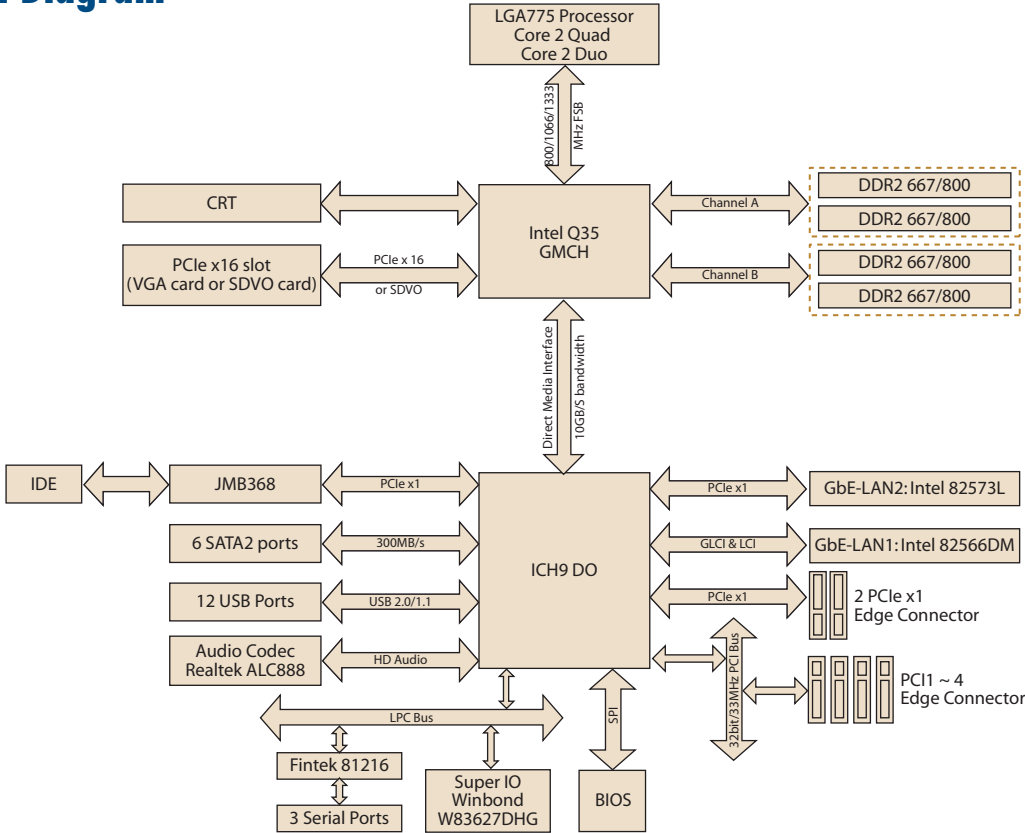
- Intel® Q35 and ICH9 DO supporting 800/1066/1333 MHz FSB
- Supports dual core and quad core process with 45nm processing
- Dual channel DDR2 667/800 SDRAM up to 8 GB
- Supports 4 PCI, 2 PCIe x1, 6 SATA ports and dual LAN
- Supports Embedded Software APIs and Utilities



Specifications

Processor System	CPU (45/65nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium Dual-Core	Intel Celeron	
	Max. Speed	Q9400 2.66 GHz	E8400 3.0 GHz	E5300 2.6 GHz	440 2.0 GHz	
	L2 Cache	6 MB	6 MB	2 MB	512 KB	
	Chipset	Intel Q35 + ICH9 DO				
	BIOS	AMI 32 Mbit, SPI				
	Front Side Bus	800/1066/1333 MHz				
Expansion Slot	PCIe x16	4.0 GB/s per direction, 1 slot				
	PCIe x1	250 MB/s per direction, 2 slot				
	PCI	32-bit/33 MHz, 4 slots				
Memory	Technology	Dual channel DDR2 667/800 MHz				
	Max. Capacity	8 GB				
	Socket	4x 240-pin DIMM				
Graphics	Embedded	Intel GMA 3100 sharing 384 MB system memory				
	Add-on	PCIe x16 slot				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	GbE-LAN1: Intel 82566DM, GbE-LAN2: Intel 82573L				
	Connector	RJ-45 x 2				
SATA II	Max. Data Transfer Rate	300 MB/s				
	Channel	6				
EIDE	Mode	ATA 100/66/33				
	Channel	1 (max. 2 devices)				
Rear I/O	VGA	1				
	USB	12				
	Audio	2 (Mic-in, Line-out)				
	Serial	4 (3 x RS-232, 1 x RS-232/422/485)				
	Parallel	1 (SPP/EPP/ECP)				
	FDD	1				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connectors	USB	8				
	Serial	3 (2 x RS-232, 1 x RS-232/422/485)				
	IDE	1				
	SATA	6				
	FDD	1				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1~ 255 sec/min				
Power Requirement	Power On	Intel Core 2 Quad9300 2.5 Ghz (1333 MHz FSB), 4 x 1 GB DDR2 800 SDRAM				
		+5 V	+3.3 V	+12 V	+5 Vsb	-12 V
Environment		3.58 A	2.86 A	3.52 A	0.74 A	0.02 A
	Temperature	Operating 0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution			Non-Operating -20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions (W x D)	304.8 x 244 mm (12" x 9.6")				

Board Diagram



Ordering Information

	Chipset	GbE	COM	SATA	SW RAID	AMT 3.0
AIMB-766VG-00A1E	Q35/ICH9	Single	4	4	None	None
AIMB-766G2-00A1E	Q35/ICH9 DO	Dual	4	6	Yes	Yes

Riser Card

Part Number	Description
AIMB-RP30P-03A1E	2U riser card with 3 PCI expansion
AIMB-RP3PF-21A1E	2U riser card with 2 PCI and PCIe x16 expansion

Bracket View



AIMB-766VG-00A1E



AIMB-766G2-00A1E

Packing List

Description	Quantity
IDE HDD cable	x 1
FDD cable	x 1
Serial ATA HDD data cable	x 2
Serial ATA HDD power cable	x 2
COM port cable kit	x 2
I/O port bracket	x 1
Startup manual	x 1
Utility CD	x 1

Optional Accessories

Part Number	Description
1750000334	LGA775 CPU cooler for 4U, 5U, and 7U chassis
1960022033T000	LGA775 CPU cooler for 2U chassis
1960013266T000	LGA775 CPU cooler for ACP-1320 (only for Core 2 Duo)
1700002204	USB cable with dual ports, 27 cm