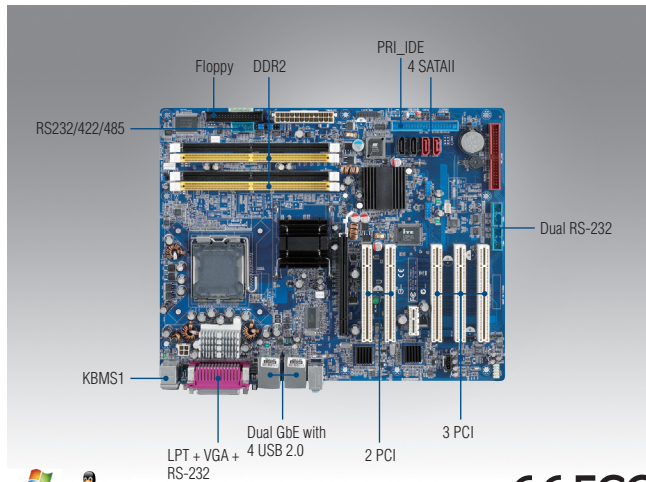


# AIMB-763

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



CE FCC

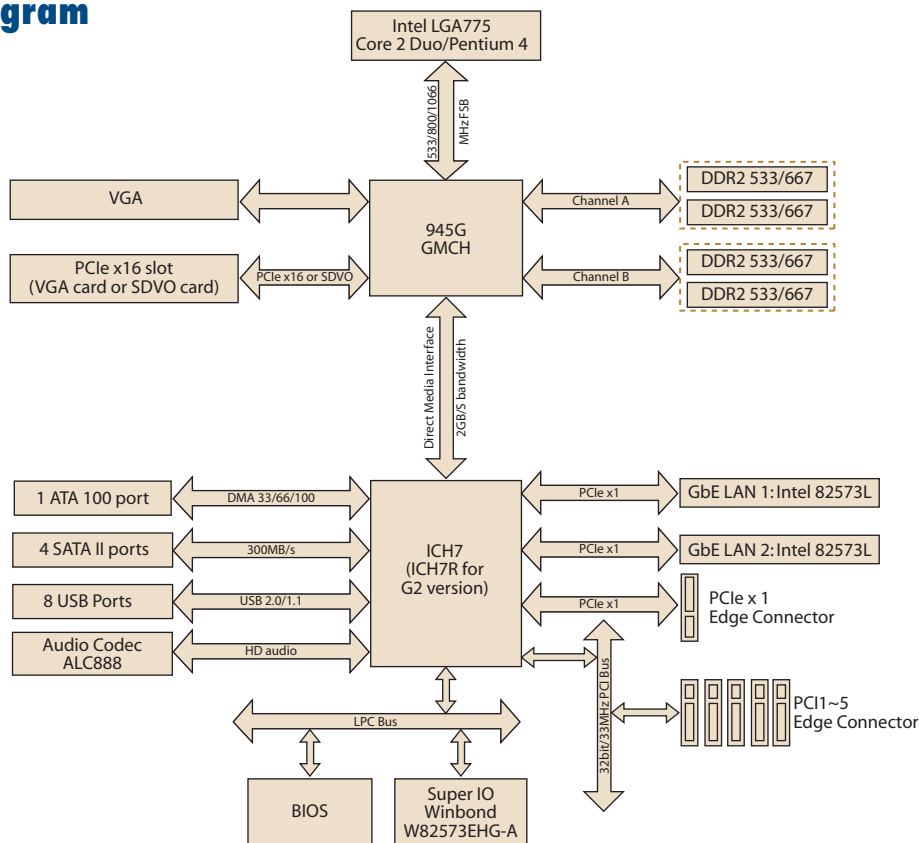
## Features

- Supports Intel® Core™2 Duo FSB 800/1066 MHz
- Dual channel DDR2 533/667 SDRAM up to 4 GB
- Chipset integrated VGA sharing 224 MB system memory
- PCIe x16 slot for VGA card
- Supports 10/100/1000 Mbps Ethernet via dedicated PCIe x 1 bus
- Supports SATA RAID 0,1,5 and 10 for G2 version

## Specifications

Processor System	CPU (45nm/65nm/90nm)	Intel Core 2 Duo	Intel Pentium Dual-Core	Intel Pentium 4	Intel Celeron D
	Max. Speed	E7400 2.2.8 GHz	E2200 2.2 GHz	651 3.4 GHz	352 3.2 GHz
	L2 Cache	3 MB	1 MB	2 MB	512 KB/256 KB
	Chipset	Intel 945G + ICH7 (ICH7R for G2 version)			
	BIOS	Award 8 Mbit, FWH			
	Front Side Bus	533/800/1066 MHz			
Expansion Slot	PCIe x16	4.0 GB/s per direction, 1 slot			
	PCIe x1	250 MB per direction, 1 slot			
	PCI	32-bit/33MHz, 5 slots			
Memory	Technology	Dual channel DDR2 533/667 MHz			
	Max. Capacity	4 GB			
	Socket	4 x 240-pin DIMM			
Graphics	Embedded	Intel GMA 950 sharing 224 MB system memory			
	Add-on	PCIe x16 slot			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Intel 82573L; GbE LAN2: Intel 82573L			
	Connector	RJ-45 x 2			
SATA II	Max. Data Transfer Rate	300 MB/s			
EIDE	Channel	4			
	Mode	ATA 100/66/33			
Rear I/O	Channel	1 (max. 2 devices) (2 for G2 version)			
	VGA	1			
	Ethernet	2 for VG version; 1 for G2 version			
	USB	4			
	Audio	3 (Line-out, Line-in, Mic-in)			
	Serial	1			
	Parallel	1 (SPP/EPP/ECP)			
Internal Connectors	PS/2	2 (1 x keyboard and 1 x mouse)			
	USB	4			
	Serial	1 (for VG version); 3 (for G2 version). COM2 supports RS-232/422/485			
	EIDE	1 for VG version (max. 2 devices) and 2 for G2 version			
	SATA	4			
Watchdog Timer	FDD	1			
	Output	Interrupt, system reset			
Power Requirement	Interval	Programmable 1 ~ 255 sec/min			
	Power On	Pentium 4 3.8 GHz (800 MHz FSB), 4 x 1 GB DDR2 667 SDRAM			
		+5 V	+3.3 V	+12 V	
		3.10 A	1.54 A	9.90 A	
Environment		Operating		Non-Operating	
	Temperature	0 ~ 60 °C (32 ~ 140 °F), depends on CPU speed and cooler solution.		-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

Part Number	GbE LAN	COM	SATA SW RAID	IDE RAID
AIMB-763VG-00A1E	1	2	None	None
AIMB-763G2-00A1E	2	4	Yes	None

## Riser Card

Part Number	Description
AIMB-RP3PF-21A1E	2U riser card with 1PClex16 & 2PCI slot expansion

## Bracket View



AIMB-763VG-00A1E



AIMB-763G2-00A1E

## Packing List

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

## Optional Accessories

Part Number	Description
1750000334	LGA775 CPU cooler up to 3.8 GHz (115 W), 4U, 5U and 7U chassis
1960022033T000	LGA775 CPU cooler for 2U chassis
1700006915	Power relay cable to activate ACP-4000 LED indicators
1700006916	Power relay cable to activate IPC-610H LED indicators
1700006917	PS/2 cable to active ACP-2010MB/2320MB/4000MB & IPC-510MB/610MB-H/7143/7220 keyboard/mouse function