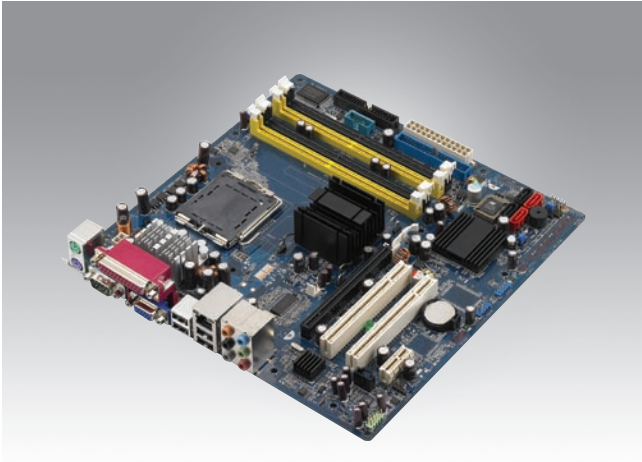


# AIMB-562

## LGA 775 Core™ 2 Duo/Pentium® D/Pentium® 4/Celeron® D Processor-based MicroATX with DDR2/PCIe/LAN



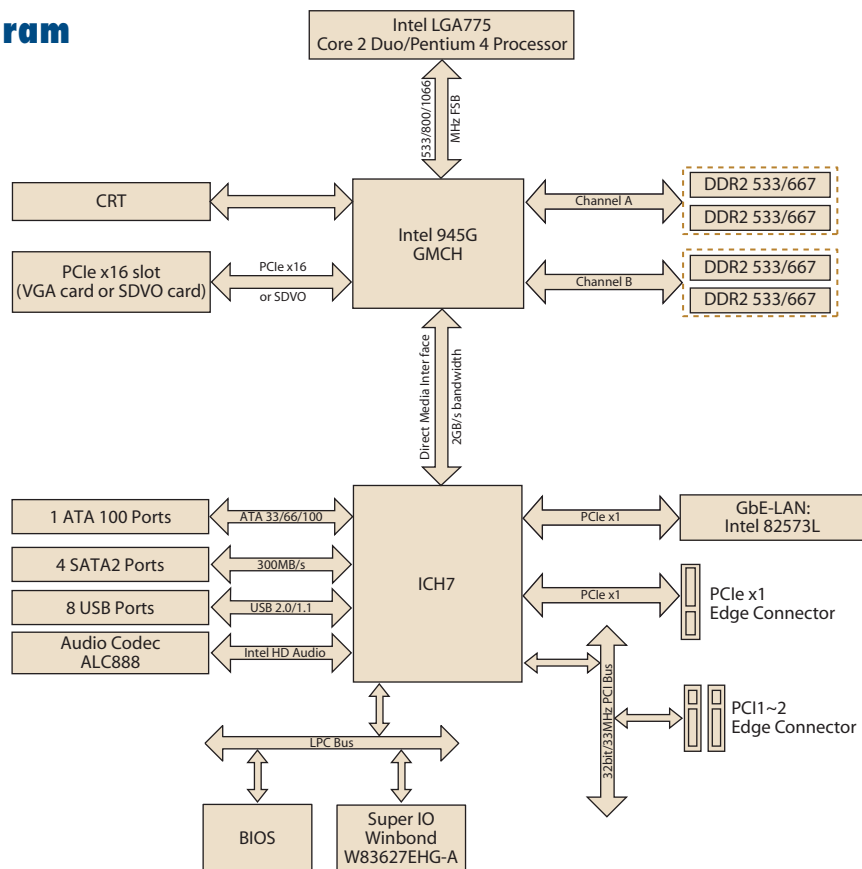
### Features

- Intel® 945G chipset 533/800/1066 MHz FSB
- Supports Intel® Core™ 2 Duo processor
- Dual channel DDR2 533/667 SDRAM up to 4 GB
- Chipset integrated VGA sharing 224 MB system memory
- PCIe x16 slot for VGA card
- Four SATA II ports with 300 MB transfer rate
- Supports single 10/100/1000Base-T Ethernet via dedicated PCIe x1 bus
- TPM support via an optional daughter board

### Specifications

	CPU (65 nm/90 nm)	Intel® Core™ 2 Duo	Intel® Pentium® D	Intel® Pentium® 4	Intel® Pentium® Dual-Core	Intel® Celeron® D	
Processor System	Max. Speed	E6700 2.66 GHz	940 3.2 GHz	672 3.8 GHz	E2200 2.2 GHz	346 3.06 GHz	
	L2 Cache	4 MB	4 MB	2 MB/1 MB	1 MB	512 KB/256 KB	
	Chipset	Intel® 945G + ICH7					
	BIOS	AMI® 4 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, 2 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 Base-T					
	Controller	GbE LAN: Intel 82573L					
	Connector	RJ-45 x 1					
SATA II	Max. Data Transfer Rate	300 MB/s					
	Channel	4					
EIDE	Mode	ATA 100/66/33					
	Channel	1 (Max. 2 devices)					
I/O Interface	VGA	1					
	USB	Max. 8 (USB 2.0 compliant), 4 ports on board					
	Audio	6 (MIC-In, Line-In, Line-Out, CD-Audio)					
	Serial	2					
	Parallel	1 (SPP/EPP/ECP)					
	FDD	1					
	PS/2	2					
Watchdog Timer	Output	System reset					
	Interval	Programmable 1~255 sec/ min					
Power Requirement	Typical	Pentium 4 3.4 GHz, 1 GB SDRAM, 80 GB HDD					
		+12 V	+5 V	+3.3 V	5 Vsb	-5 V	-12 V
		10.36 A	3.95 A	4.5 A	1.2 A	12 mA	36 mA
Environment	Operating					Non-Operating	
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU's speed and cooler solution				-20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions (W x D)	244 x 244 mm (9.6" x 9.6")					

## Board Diagram



## Ordering Information

Part Number	VGA	GbE LAN
AIMB-562VG-00A1E	Yes	Single

\*AIMB-562 cannot be installed in ACP-2000MB and 1U chassis.

\*\*We strongly suggest using only Advantech's certified LGA 775 CPU coolers to ensure board reliability under harsh conditions.

## Riser Card

Part Number	Description
AIMB-RP3PF-21A1E	2U riser card for 1 PCIe x 16 and 2 PCI expansion

## Bracket View



AIMB-562VG-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

## Accessories

Part Number	Description
1750000334	LGA 775 CPU cooler (115 W)
1960022033T000	LGA 775 CPU cooler for 2U chassis
1700002314	USB cable with four ports, 30.5cm
1700002204	USB cable with dual ports, 27cm
1700003195	USB cable with dual ports, 17.5cm
9680004525	TPM daughter board
1700006915	Power relay cable to activate ACP-4000 LED indicators
1700006916	Power relay cable to activate IPC-610H LED indicators