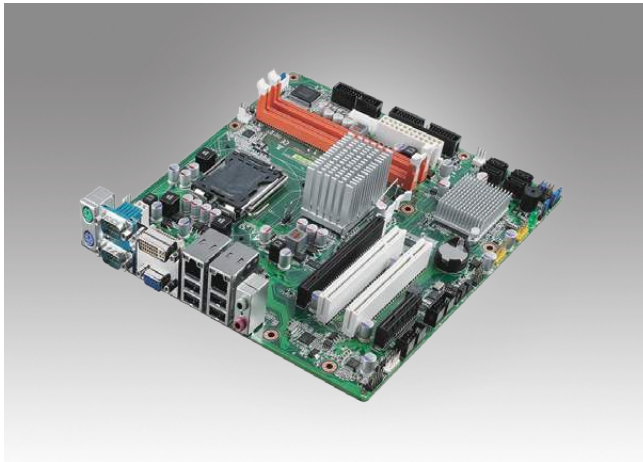




# AIMB-567

Intel® Core™2 Quad LGA 775 MicroATX  
with Dual VGA/DVI, 4 COM, dual LAN



## Features

- Intel® G41 chipset supports 800/1066/1333 MHz FSB
- Dual channel DDR3 800/1066 MHz SDRAM up to 4 GB
- Supports dual display, VGA and DVI-D
- Supports dual core and quad core processors with 45nm processing
- Supports SATA RAID 0,1,5,10 for G2 version
- Supports SUSIAccess and Embedded Software APIs

Software APIs:    

Utilities:  

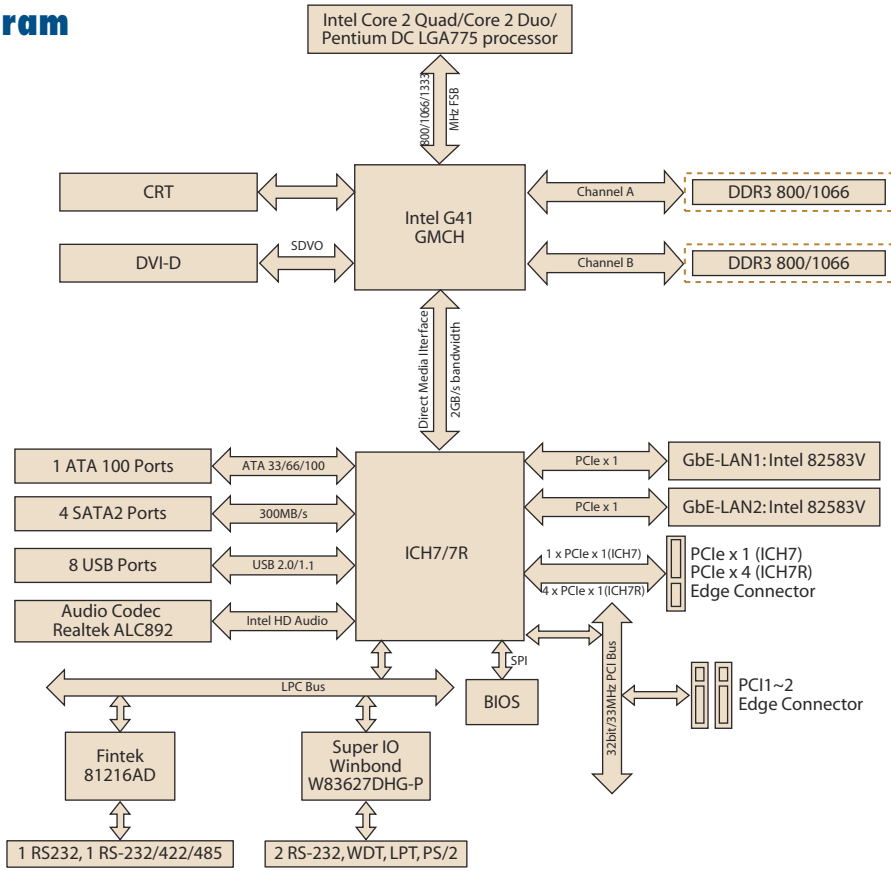


susIAccess   

## Specifications

Processor System	CPU (45 nm/65 nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium Dual-Core	Intel Celeron
	Max. Speed	Q9400 2.66 GHz	E8500 3.16 GHz	E6500 2.6 GHz	E1500 2.2 GHz
	L2 Cache	6 MB	6 MB	6 MB	512 KB
	Chipset	Intel G41+ICH7(VG), Intel G41+ICH7R(G2)			
	BIOS	AMI 16 Mbit, SPI			
	Front Side Bus	800/1066/1333 MHz			
Expansion Slot	PCIe x16 (Gen2)	4.0 GB/s per direction, 1 slot			
	PCIe x4	1 GB/s per direction, 1 slot (G2)			
	PCIe x1	250 MB per direction, 1 slot (VG)			
	PCI	32-bit/33 MHz, 2 slots			
Memory	Technology	Dual channel DDR3 800/1066 MHz SDRAM (not compatible with 256 x 8 DDR3 RAM)			
	Max. Capacity	4 GB			
	Socket	2 x 240-pin DIMM (Non-ECC)			
Graphics	Embedded	Intel GMA X4500 shared 352 MB system memory			
	DVI	Yes (If DVI is used, PCIe x16 is automatically disabled), via Chronitel 7318C Transmitter			
	Dual Display	CRT+DVI			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	GbE LAN1: Intel 82583V, GbE LAN2: Intel 82583V			
	Connector	RJ-45 x 2			
SATA II	Max. Data Transfer Rate	300 MB/s			
	Channel	4			
EIDE	Mode	ATA 100/66/33			
	Channel	1 (max. 2 devices)			
Rear I/O	VGA	1			
	DVI	1			
	Ethernet	2			
	USB	4 (USB 2.0)			
	Audio	2 (Mic-in, Line-out)			
	Serial	2 (RS-232)			
	PS/2	2 (1 x keyboard and 1 x mouse)			
	Internal Connector	4 (USB 2.0)			
Internal Connector	Serial	2 (1 x RS-232, 1 x RS-232/422/485 to support auto flow control)			
	IDE	1			
	SATA	4			
	FDD	-			
	Parallel	1			
	GPIO	8-bit GPIO			
	Watchdog Timer	Output	System reset		
Power Requirement	Interval	Programmable 1 ~ 255 sec/min			
	Power On	Intel Core 2 Quad Q9400 2.66 GHz FSB 1333 MHz, 4 GB DDR3 1066 SDRAM			
Environment	Operating	Non-Operating			
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution			
Physical Characteristics	Dimensions (W x D)	244 x 244 mm (9.6" x 9.6")			

**Block Diagram**



**Ordering Information**

Part Number	Chipset	Display	GbE	SW RAID	PCIe x4	PCIe x1
AIMB-567G2-00A1E	G41/ICH7R	CRT/DVI	2	Yes	1	-
AIMB-567VG-00A1E	G41/ICH7	CRT	1	No	-	1

\*We strongly suggest using only Advantech's certified LGA775 CPU coolers to ensure board reliability under harsh conditions.

**Riser Card**

Part Number	Description
AIMB-RP3PF-21A1E	2U riser card with 1 PCIe x16 & 2 PCI slot expansion
AIMB-RP30P-03A1E	2U riser card for 3 PCI expansion
AIMB-RP10P-01A1E	1U riser card for 1 PCI expansion

**I/O View**



AIMB-567G2-00A1E



AIMB-567VG-00A1E

**Packing List**

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

**Optional Accessories**

Part Number	Description
1750000334	LGA775 CPU cooler (115 W)
1960022033T000	LGA775 CPU cooler for 2U chassis
1700008461	USB cable with four ports, 30.5 cm
1700002204	USB cable with dual ports, 27 cm
1700003195	USB cable with dual ports, 17.5 cm
1700008809	Printer port cable
1700018699	KBMS cable 1*6P-2.5/DIN-6P(F)*2, 25 cm
1960048353T000	1U I/O port bracket

**Embedded OS/API**

OS/API	Part No.	Description
Win XPE	2070010378	XPE WES 2009 AIMB-567 V4.0 JPN
Software API	2070011072	XPE WES09 AIMB-567 V4.0 ENG_CHT ATIP SUSI V3.0