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# AIMB-567

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



## Features

- Intel® G41 chipset supports 800/1066/1333 MHz FSB
- Two 240-pin DIMM up to 8 GB DDR3 800/1066/1333 MHz SDRAM
- 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 Embedded Software APIs and Utilities

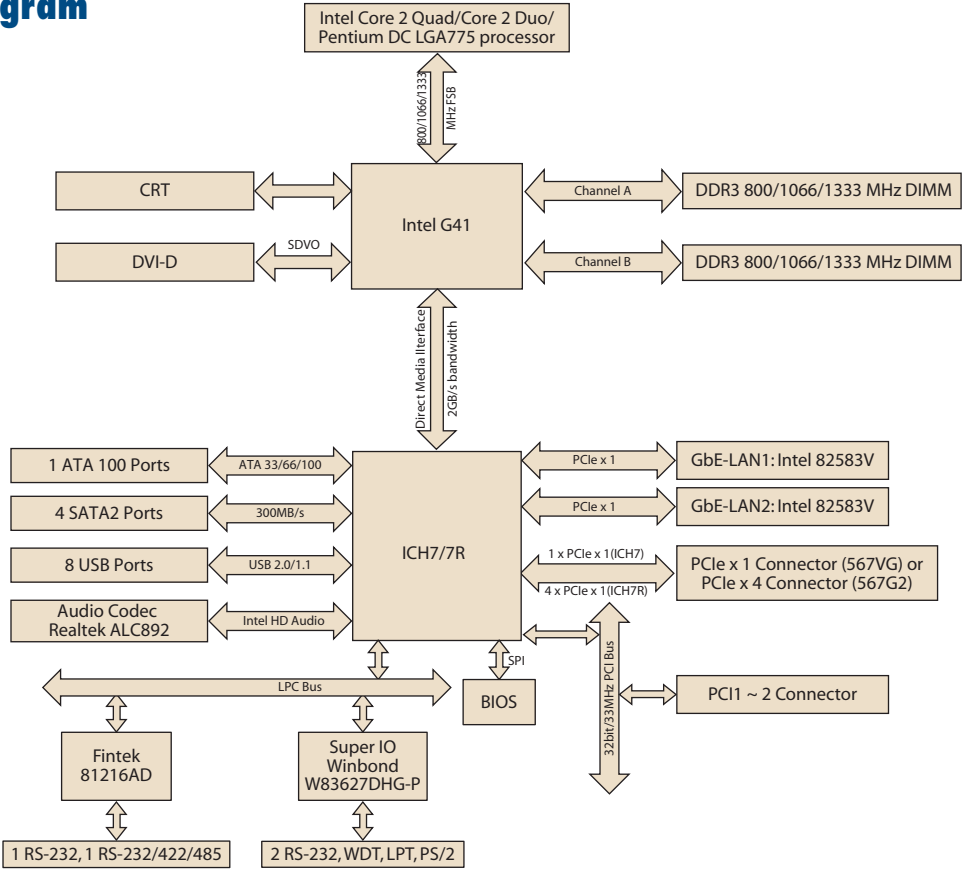
Software APIs:

Utilities:

## 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 800/1066/1333 MHz SDRAM			
	Max. Capacity	8 GB/4 GB per DIMM			
	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 Chrontel 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 (SATA 2.0)			
Internal Connector	USB	4 (USB 2.0)			
	Serial	2 (1 x RS-232, 1 x RS-232/422/485 to support auto flow control)			
	IDE	1			
	SATA	4 (SATA 2.0)			
	FDD	-			
	Parallel	1			
	GPIO	8-bit GPIO			
	Watchdog Timer	Output	System reset		
Interval		Programmable 1 ~ 255 sec/min			
Power Requirement	Power On	Intel Core 2 Quad Q9400 2.66 GHz FSB 1333 MHz, 4 GB DDR3 1066 SDRAM			
		3.3 V	5 V	12 V	5 Vsb
		0.19 A	2.98 A	3.48 A	0.18 A
Environment	Temperature	Operating	Non-Operating		
		0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution	-40 ~ 85° C (-40 ~ 185° F)		
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-567G2-00A2E	G41/ICH7R	CRT/DVI	2	Yes	1	-
AIMB-567VG-00A2E	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
AIMB-RF10F-01A1E	1U riser card with 1 PCI e x 16 expansion slot

### I/O View



AIMB-567G2-00A2E



AIMB-567VG-00A2E

### 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

### 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
	2070011072	XPE WES09 AIMB-567 V4.0 ENG_CHT ATIP