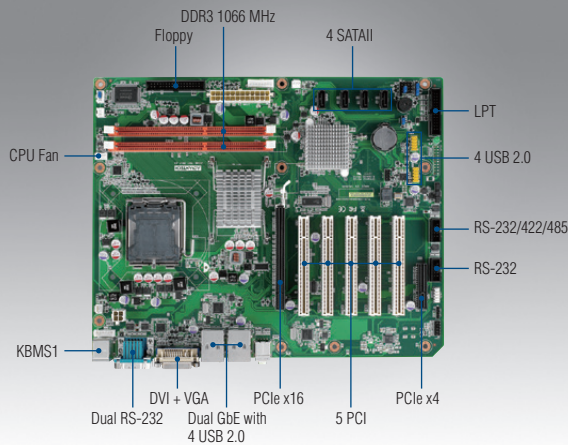


# AIMB-767

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



## Features

- Intel® G41 chipset supports 800/1066/1333 MHz FSB
- Dual channel DDR3 800/1066 SDRAM up to 8 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
- Supports Embedded software APIs and utilities

### Software APIs:



### Utilities:

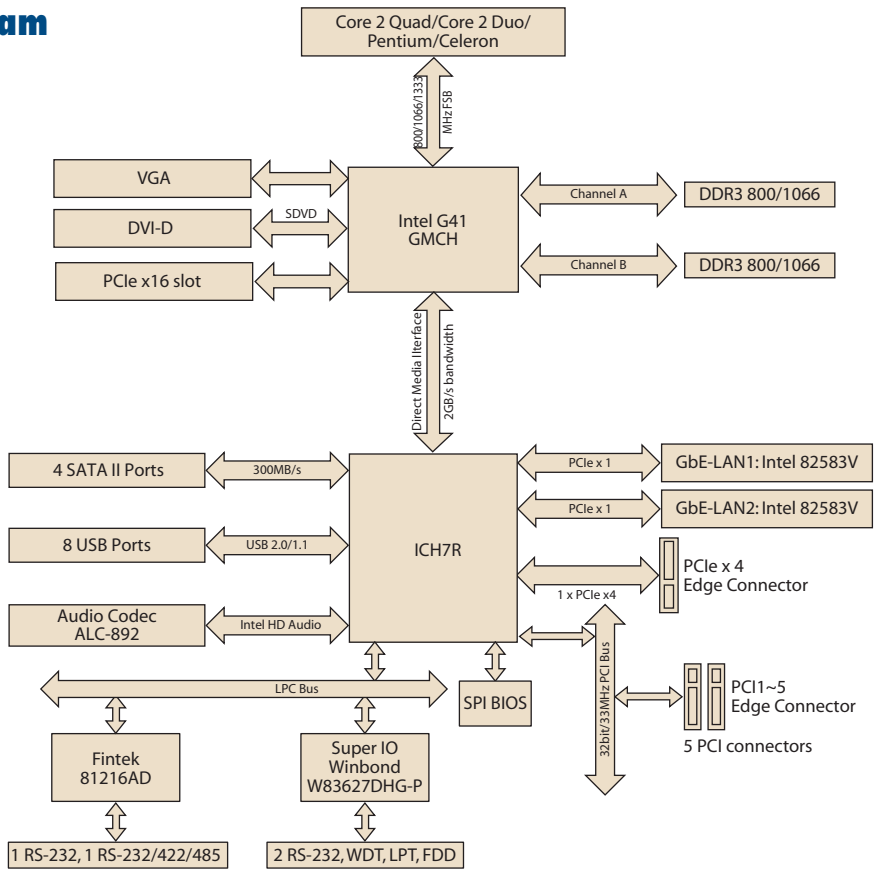


CE FCC

## Specifications

Processor System	CPU (45nm/65nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium	Intel Celeron	
	Max. Speed	Q9650 3.0 GHz	E8500 3.16 GHz	E6500 2.93 GHz	E1500 2.2 GHz	
	L2 Cache	12 MB	6 MB	8 MB	512 KB	
	Chipset	Intel G41 + ICH7R				
	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 x4	1 GB/s per direction, 1 slot				
	PCI	32-bit/33 MHz, 5 slots				
Memory	Technology	Dual channel DDR3 800/1066 MHz				
	Max. Capacity	8 GB				
	Socket	2 x 240-pin DIMM				
Graphics	Embedded	Intel GMA X4500 shared 352 MB system memory				
	DVI	Yes (If PCIe x16 slot is used, DVI is automatically disabled)				
	Dual Display	VGA + 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				
Rear I/O	VGA	1				
	DVI	1				
	Ethernet	2				
	USB	4				
	Audio	2 (Line-out, Mic-in)				
	Serial	2 (2 x RS-232)				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connectors	USB	4				
	Serial	2 (COM3 supports RS-232/422/485 with auto-flow control)				
	Parallel	1				
	SATA	4				
	FDD	1				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec				
Power Requirement	Power On	Intel Core 2 Quad Q9400 2.66 GHz FSB 1333 MHz, 2 x 2 GB DDR3 1066 SDRAM				
		3.3 V	5 V	12 V	5 Vsb	-12 V
		0.28 A	3.12 A	2.52 A	0.6 A	0.24 A
Environment		Operating		Non-Operating		
	Temperature	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)	304.8 x 244 mm (12" x 9.6")				

**Block Diagram**



**Ordering Information**

Part Number	Chipset	Display	GbE	SW RAID	PCIe x16	PCIe x4
AIMB-767G2-00A2E	G41/ICH7R	VGA/DVI	2	Yes	1	1

**Riser Card**

Part Number	Description
AIMB-RP3PF-21A1E	2U riser card with 1 PCIe x 16 & 2 PCI slot expansion
AIMB-RP30P-03A1E	2U riser card for 3 PCI expansion
AIMB-RP10P-01A1E	1U riser card for 1 PCI expansion

**Bracket View**



AIMB-767G2-00A1E

**Packing List**

Description	Quantity
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 (for 4U chassis)
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 kit (25 cm)
1700020294-01	Printer port cable kit (42 cm)
1700340640	FDD cable
1960048353T000	I/O port bracket for 1U chassis



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