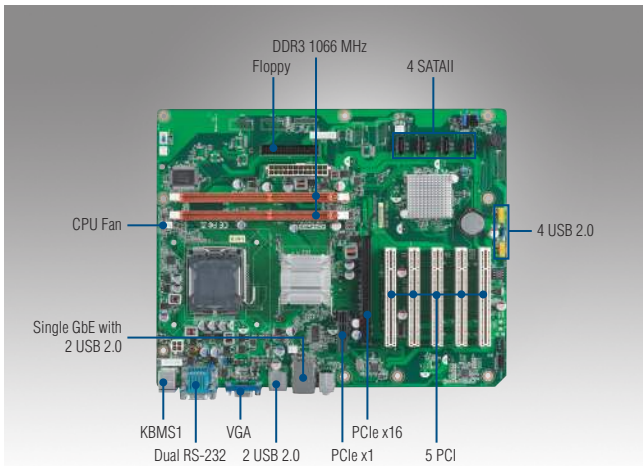


# AIMB-769

LGA775 Intel® Core™2 Quad ATX with  
VGA, 2 COM, Single LAN



## Features

- Intel® G41 chipset supports 800/1066/1333 MHz FSB
- Dual channel DDR3 800/1066 supports up to 8 GB
- Chipset integrated VGA
- Supports dual core and quad core processors with 45 nm processing
- Supports single 10/100/1000 Mbps Ethernet via dedicated PCIe x1 bus
- Supports Embedded Software APIs and Utilities

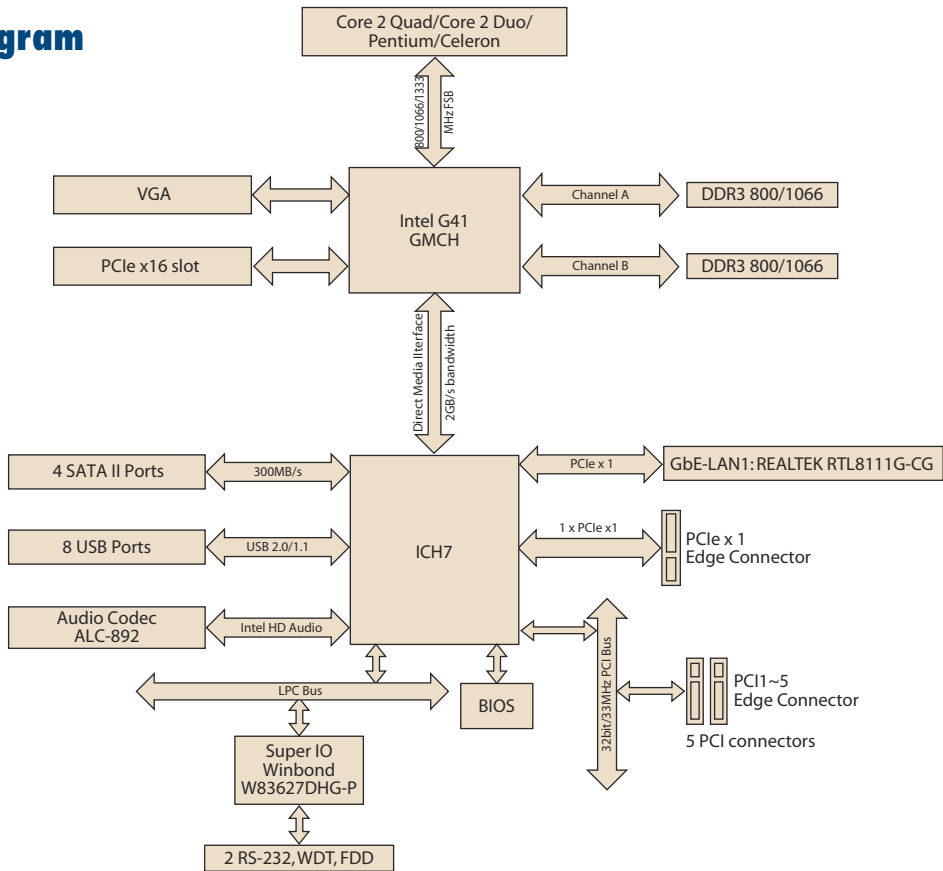
Quiet

## Specifications

CE FCC

Processor System	CPU (45nm/65nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium	Intel Celeron	
	Max. Speed	Q9650 3.0GHz	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 + ICH7				
	BIOS	AMI 16 Mbit, SPI				
	Front Side Bus	800/1066/1333 MHz				
Expansion Slot	PCIe x16	4.0 GB/s per direction, 1 slot				
	PCIe x1	250 MB/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				
	Add-on	PCIe x16 slot				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	GbE LAN: REALTEK RTL8111G-CG				
	Connector	RJ-45 x 1				
SATA II	Max. Data Transfer Rate	300 MB/s				
	Channel	4				
Rear I/O	VGA	1				
	Ethernet	1				
	USB	4				
	Audio	2 (Line-out, Mic-in)				
	Serial	2 (2 x RS-232 to support DC power on 9th pin)				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connectors	USB	4				
	SATA	4				
	FDD	1				
	GPIO	8-bit				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec				
Power Requirements	Power On	Intel Core 2 Quad Q6600 2.4 GHz				
		3.3 V	5 V	12 V	5 Vsb	-12 V
		2.33 A	1.75 A	5.01 A	0.14 A	0.08 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 LAN	PCIe x16	PCIe x1
AIMB-769VG-00A2E	G41/ICH7	VGA	1	1	1

**Packing List**

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

**I/O View**



AIMB-769VG-00A2E

**Optional Accessories**

Part Number	Description
1750000334	LGA775 CPU cooler for 4U chassis (115 W)
1750000332	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)
1960048353T000	I/O port bracket for 1U chassis

**Riser Card**

Part Number	Description
AIMB-R4104-01A1E	1U riser card for 1 PCIe x4 expansion
AIMB-R430P-03A2E	2U riser card for 3 PCI expansion