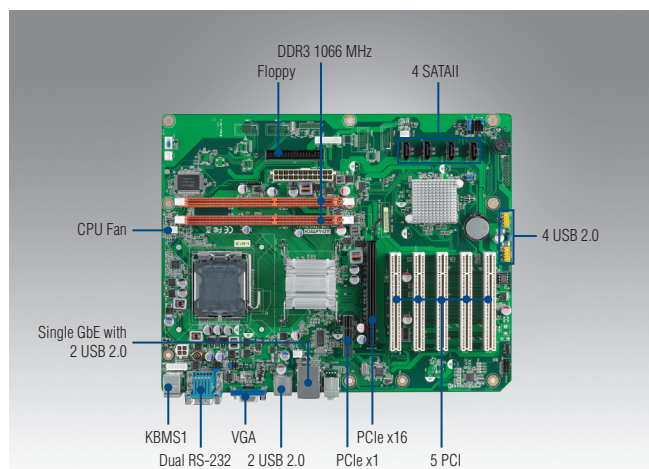


AIMB-769

**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

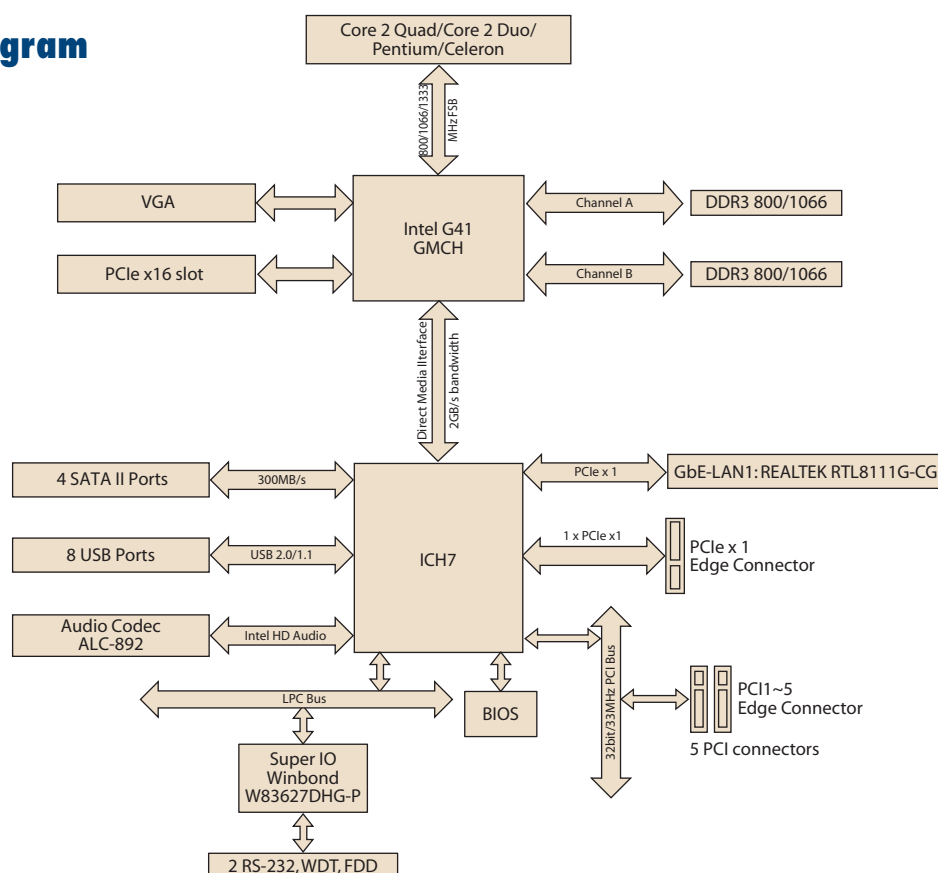
Quiet

CE FCC

Specifications

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
		2.33 A	1.75 A	5.01 A	0.14 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

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