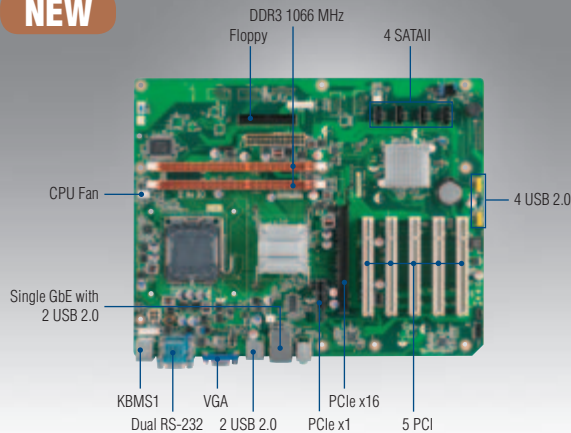


AIMB-769

LGA 775 Intel® Core™2 Quad Processor
ATX with VGA, 2 COM, Single LAN

NEW



CE FCC

Features

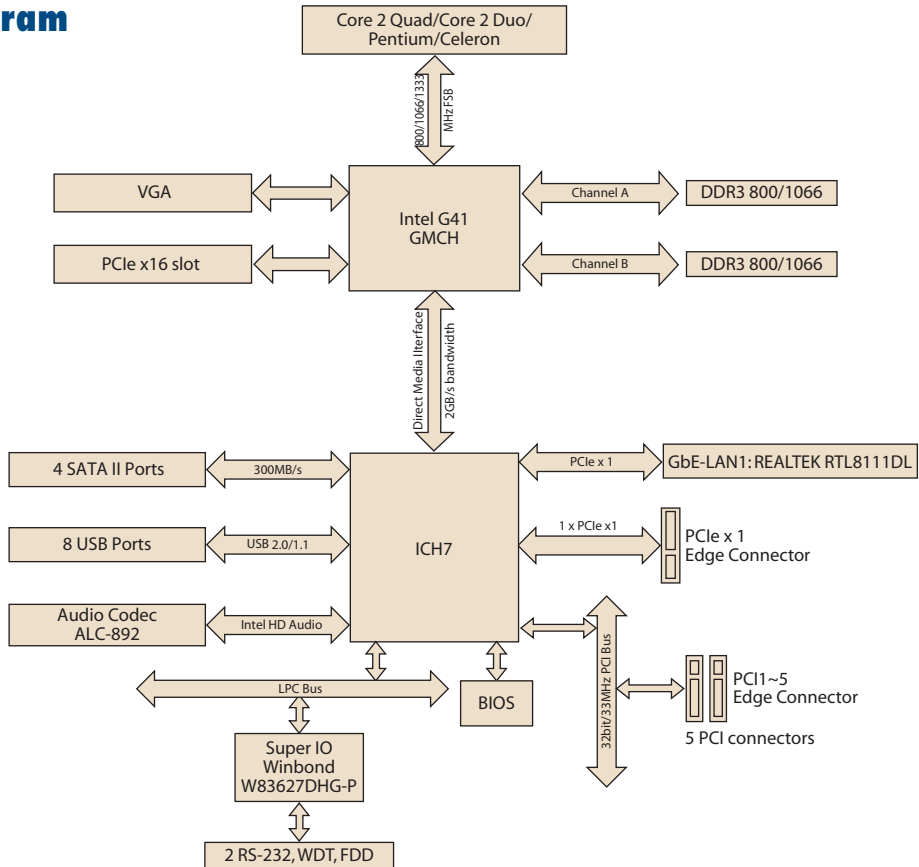
- Intel® G41 chipset supports 800/1066/1333 MHz FSB
- Dual channel DDR3 800/1066 SDRAM up to 4 GB
- Chipset integrated VGA
- Supports dual core and quad core processors with 45 nm processing
- Supports single 10/100/1000 Mbps Ethernet via dedicated PCIe x1 bus
- Supports Embedded Software APIs and Utilities

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	4 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 RTL8111DL				
	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)				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connectors	USB	4				
	SATA	4				
	FDD	1				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec/min				
Power Requirement	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")				

- Industrial Server 1
- Embedded IPC 2
- Pre-configured System 3
- Industrial Computer Chassis 4
- Slot SBC & Passive Backplanes 5
- Industrial Motherboards 6
- Industrial Computer Peripherals 7

Board Diagram



Ordering Information

Part Number	Chipset	Display	GbE	PCIe x16	PCIe x1
AIMB-769VG-00A1E	G41/ICH7	VGA	1	1	1

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

Bracket View



AIMB-769VG-00A1E

Packing List

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

Optional Accessories

Part Number	Description
1750000334	LGA775 CPU cooler (115 W)
1960022033T100	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