Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

# AIMB-769

**NEW**

Image labels:
- DDR3 1066 MHz
- Floppy
- 4 SATAII
- CPU Fan
- 4 USB 2.0
- Single GbE with 2 USB 2.0
- KBMS1
- VGA
- PCIe x16
- Dual RS-232
- 2 USB 2.0
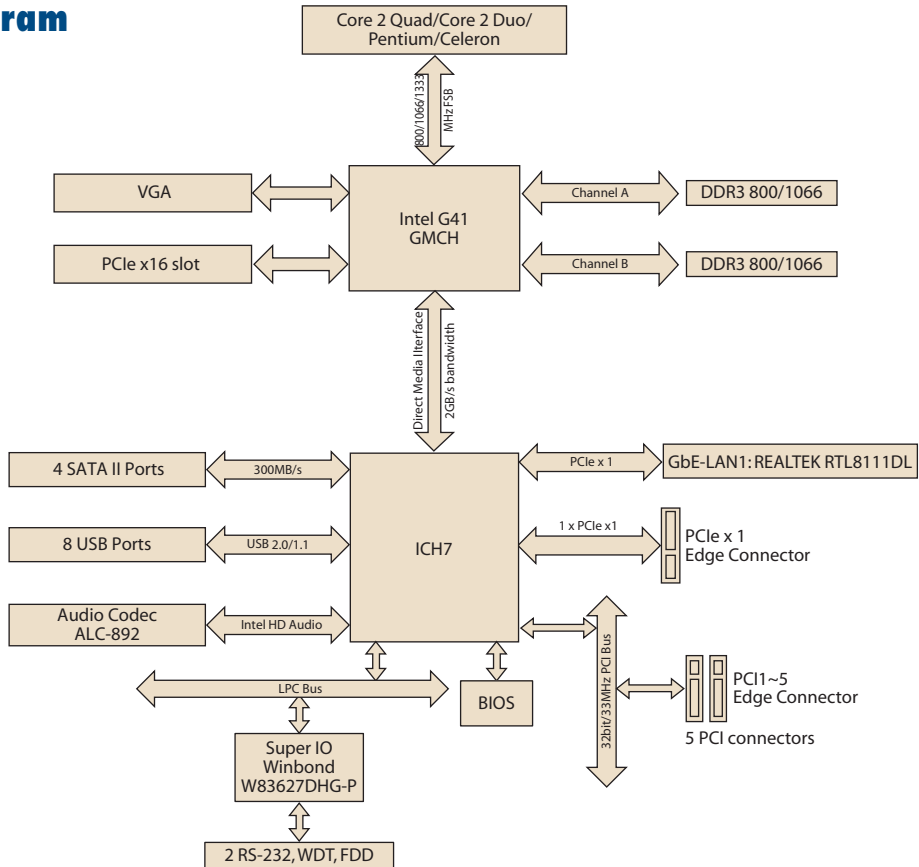- PCIe x1
- 5 PCI
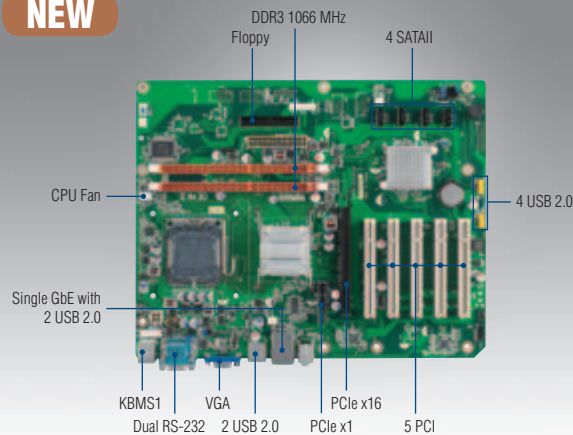
C€ FCC

## Features

- Intel® G41 chipset supports 800/1066/1333 MHz FSB
- Dual channel DDR3 800/1066 SDRAM up to 4 GB
- Chipset integraged 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 |