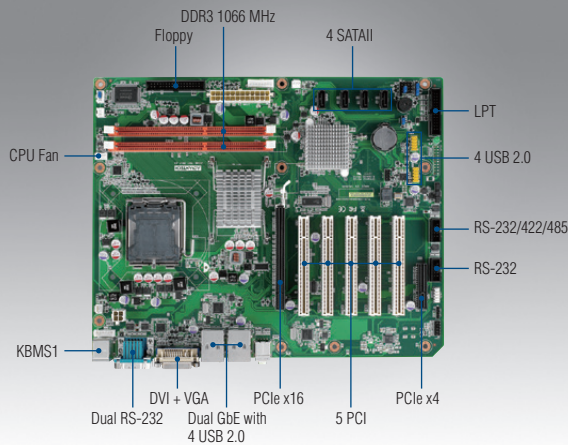


AIMB-767

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:

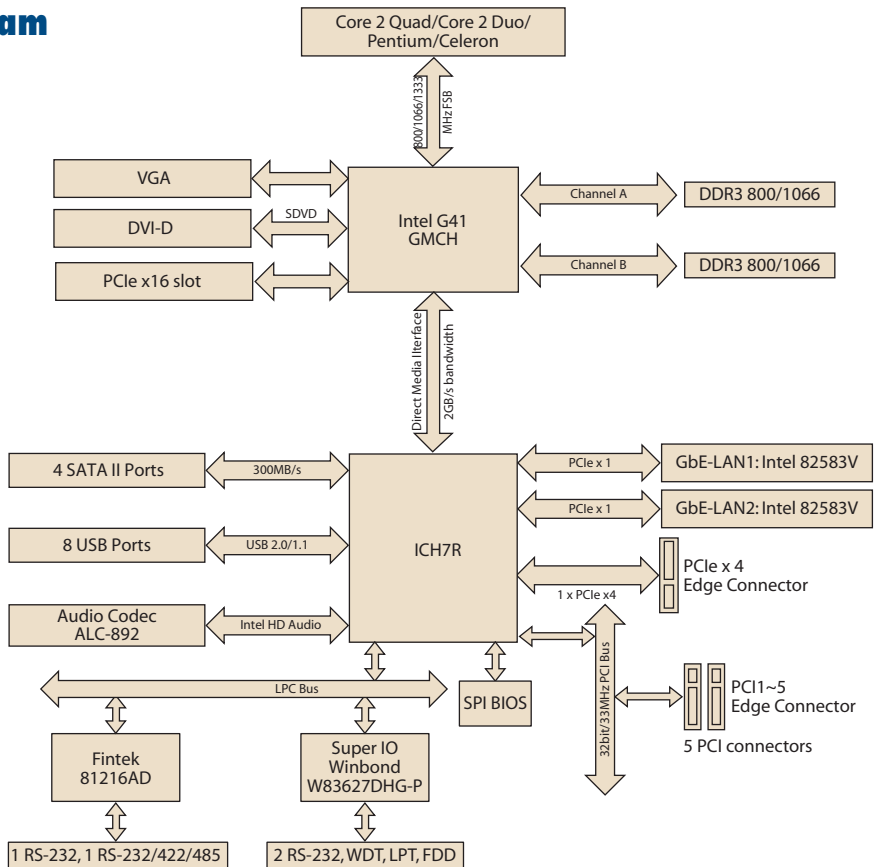


CE FCC

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 |