

AIMB-763

LGA775 Core™ 2 Duo/Pentium® 4/Celeron® D
Processor-based ATX with DDR2/PCIe/Dual LAN

NEW



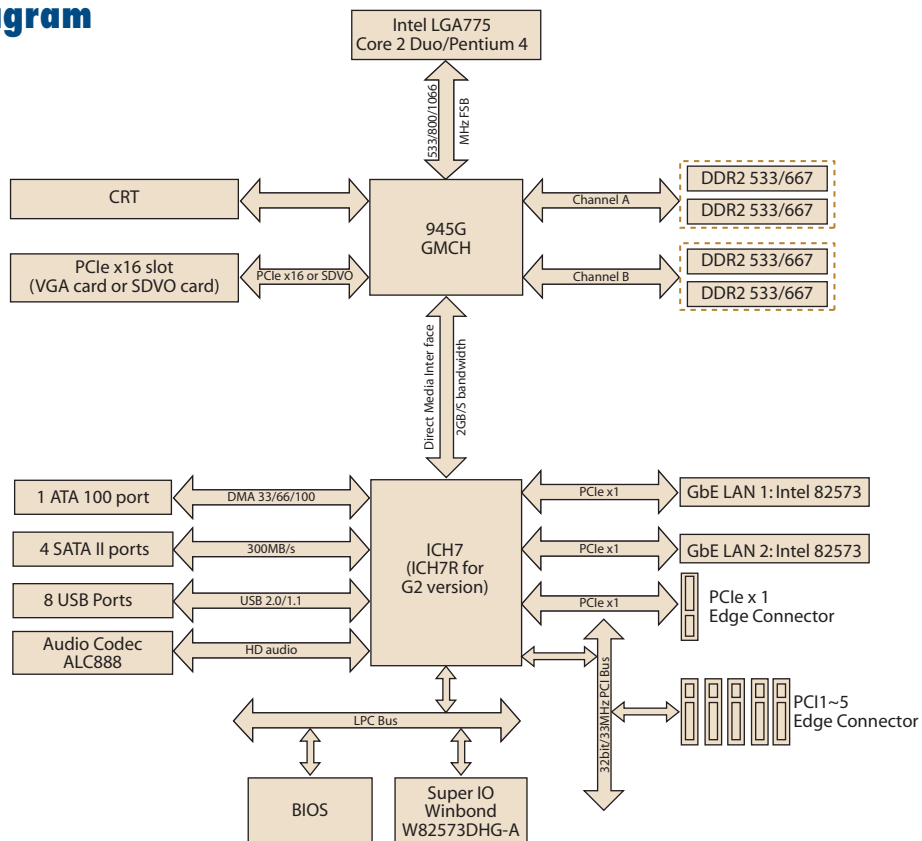
Features

- Supports Core™ 2 Duo FSB 800/1066 MHz
- Dual channel DDR2 533/667 SDRAM up to 4 GB
- Chipset integrated VGA sharing 224 MB system memory
- PCIe x16 slot for VGA card
- Supports 10/100/1000Base-T Ethernet via dedicated PCIe x 1 bus
- Supports SATA RAID 0,1,5 and 10 for G2 version

Specifications

| | | | | | |
|--------------------------|-------------------------|--|-------------------|-----------------|----------------------------|
| Processor System | CPU (65 nm/90 nm) | Core 2 Duo | Pentium dual-core | Intel Pentium 4 | Intel Celeron D |
| | Max. Speed | 2.66 GHz | 2.2 GHz | 3.8 GHz | 3.06 GHz |
| | L2 Cache | 4 MB | 1 MB | 2 MB/1 MB | 512KB/256KB |
| | Chipset | Intel 945G + ICH7 (ICH7R for G2 version) | | | |
| | BIOS | Award 8 Mb FWH | | | |
| | Front Side Bus | 533/800/1066 MHz | | | |
| Expansion Slot | PCIe x16 | 4.0 GB/s per direction, 1 slot | | | |
| | PCIe x1 | 250 MB per direction, 1 slot | | | |
| | PCI | 32-bit/33MHz, 5 slots | | | |
| Memory | Technology | Dual channel DDR2 533/667 MHz | | | |
| | Max. Capacity | 4 GB | | | |
| | Socket | 240-pin DIMM x 4 | | | |
| Graphics | Embedded | Intel GMA 950 sharing 224 MB system memory | | | |
| | Add-on | PCIe x16 slot | | | |
| Ethernet | Interface | 10/100/1000 Base-T | | | |
| | Controller | GbE LAN1: Intel 82573L; GbE LAN2: Intel 82573L | | | |
| | Connector | RJ-45 x 2 | | | |
| SATA II | Max. Data Transfer Rate | 300 MB/s | | | |
| | Channel | 4 | | | |
| EIDE | Mode | ATA 100/66/33 | | | |
| | Channel | 1 (Max. 2 devices) | | | |
| I/O Interface | VGA | 1 | | | |
| | USB | Max. 8 (USB 2.0 compliant), 4 ports on board | | | |
| | Audio | 3 (LINE-Out, LINE-In, and MIC-In) | | | |
| | Serial | 2 (for VG version); 4 (for G2 version). COM2 supports RS-232/422/485 | | | |
| | Parallel | 1 (SPP/EPP/ECP) | | | |
| | FDD | 1 | | | |
| | PS/2 | 2 | | | |
| Watchdog Timer | GPIO | - | | | |
| | Output Interval | System reset Programmable 1 ~ 255 sec/ min | | | |
| Power Requirement | Typical | Pentium 4 3.8 GHz (800 MHz FSB), 4 x 1 GB DDR2 667 SDRAM | | | |
| | | +5 V | +3.3 V | +12 V | |
| | | 3.10 A | 1.54 A | 9.90 A | |
| Environment | Operating | | | | Non-Operating |
| | Temperature | 0 ~ 60 °C (32 ~ 140 °F), depends on CPU's speed and cooler solution. | | | -20 ~ 70 °C (-40 ~ 158 °F) |
| Physical Characteristics | Dimensions (W x D) | 304.8 x 244 mm (12" x 9.6") | | | |

Board Diagram



Ordering Information

| Part Number | Embedded VGA | PCIe x16 for VGA | GbE LAN |
|------------------|--------------|------------------|---------|
| AIMB-763VG-00A1E | Yes | Yes | Single |
| AIMB-763G2-00A1E | Yes | Yes | Dual |

Riser Card

| Part Number | Description |
|------------------|---|
| AIMB-RP3PF-21A1E | 2U riser card with 1PCIex16 & 2PCI slot expansion |

Bracket View



AIMB-763VG-00A1E



AIMB-763G2-00A1E

Packing List

| Description | Quantity |
|----------------------------|----------|
| FDD cable | x 1 |
| IDE HDD cable | x 1 |
| 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 |

Accessories

| Part Number | Description |
|-------------|---|
| 1750000334 | LGA775 CPU cooler up to 3.8 GHz (115 W), 4U, 5U and 7U chassis |
| 1750001661 | LGA775 CPU cooler for 2U chassis |
| 1700006915 | Power relay cable to activate ACP-4000 LED indicators |
| 1700006916 | Power relay cable to activate IPC-610H LED indicators |
| 1700006917 | PS/2 cable to active ACP-2010MB/2320MB/4000MB & IPC-510MB/610MB-H/7143/7220 keyboard/mouse function |