

# AIMB-560

**LGA775 Pentium® 4/Celeron® D  
Processor-based Micro ATX  
with DDR2/Dual GbE LAN**

**NEW**



CE FCC

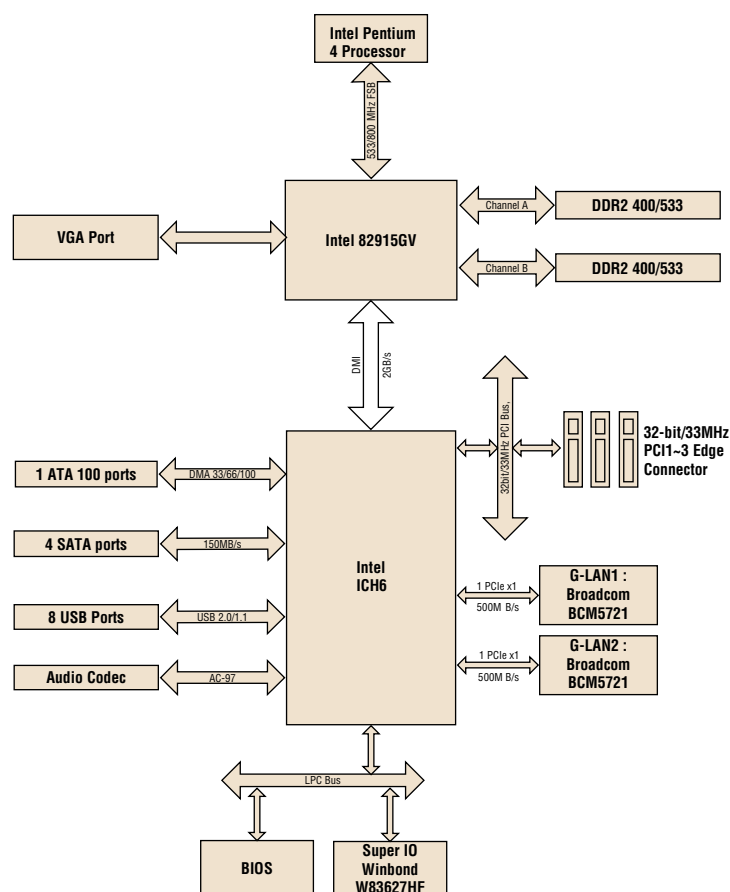
## Features

- Intel® 915GV with ICH6 chipset 800 MHz FSB
- Supports dual channel DDR2 400/533 SDRAM up to 2 GB
- Four SATA ports
- Supports dual 10/100/1000Base-T Ethernet via dedicated PCIe x1 bus
- Chipset integrated VGA
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup
- Compatible with Advantech's 2U, 4U, 5U and 7U chassis

## Specifications

|                          |                         |                                                                         |                  |               |                           |        |
|--------------------------|-------------------------|-------------------------------------------------------------------------|------------------|---------------|---------------------------|--------|
| Processor System         | CPU                     | Intel Pentium® 4                                                        | Intel Celeron® D |               |                           |        |
|                          | Max. Speed              | 3.8 GHz                                                                 | 3.06 GHz         |               |                           |        |
|                          | L2 Cache                | 1024 KB/2048 KB                                                         | 256 KB           |               |                           |        |
|                          | Chipset                 | Intel 915GV + ICH6                                                      |                  |               |                           |        |
|                          | BIOS                    | Award 4 Mb FWH                                                          |                  |               |                           |        |
|                          | Front Side Bus          | 533/800 MHz                                                             |                  |               |                           |        |
| Expansion Slot           | PCI                     | 32-bit/33 MHz, 3 slots                                                  |                  |               |                           |        |
| Memory                   | Technology              | Dual channel DDR2 400/533 SDRAM                                         |                  |               |                           |        |
|                          | Max. Capacity           | 2 GB                                                                    |                  |               |                           |        |
|                          | Socket                  | 240-pin DIMM x 2                                                        |                  |               |                           |        |
| Graphic                  | Controller              | Chipset integrated VGA controller (No PCIe x16 slot)                    |                  |               |                           |        |
|                          | VRAM                    | Dynamically shared system memory up to 128 MB                           |                  |               |                           |        |
| Ethernet                 | Interface               | 10/100/1000 Base-T                                                      |                  |               |                           |        |
|                          | Controller              | Broadcom BCM5721 (PCIe x1) x 2                                          |                  |               |                           |        |
|                          | Connector               | RJ-45 x 2                                                               |                  |               |                           |        |
| SATA                     | Max. Data Transfer Rate | 150 MB/s                                                                |                  |               |                           |        |
|                          | Channel                 | 4                                                                       |                  |               |                           |        |
| EIDE                     | Mode                    | ATA 100/66/33                                                           |                  |               |                           |        |
|                          | Channel                 | 1 (Max. two devices)                                                    |                  |               |                           |        |
| I/O Interface            | VGA                     | 1                                                                       |                  |               |                           |        |
|                          | LAN                     | 1 (for VG version); 2 (for G2 vesion)                                   |                  |               |                           |        |
|                          | USB                     | 8 (USB 2.0, 480Mbps; 4 external ports and 4 onboard pin headers)        |                  |               |                           |        |
|                          | Audio                   | 2 (LINE-Out and MIC-In)                                                 |                  |               |                           |        |
|                          | Serial                  | 2 (RS-232, 1 port and 1 onboard pin header)                             |                  |               |                           |        |
|                          | Parallel                | 1 (SPP/EPP/ECP)                                                         |                  |               |                           |        |
|                          | FDD                     | 1                                                                       |                  |               |                           |        |
| Watchdog Timer           | PS/2                    | 2 (Keyboard and Mouse)                                                  |                  |               |                           |        |
|                          | Output                  | Interrupt, system reset                                                 |                  |               |                           |        |
| Power Requirement        | Interval                | Programmable 1 ~ 255 sec.                                               |                  |               |                           |        |
|                          | Typical                 | Pentium 4, 3.4 GHz (800 MHz FSB), 2 x 512 MB, 2 x 256 MB DDR2 533 SDRAM |                  |               |                           |        |
|                          |                         | +5 V                                                                    | -5 V             | +12 V         | -12 V                     | +5 VSB |
| Environment              |                         | 6.64 A                                                                  | 0.01 A           | 12.59 A       | 0.01 A                    | 0.3 A  |
|                          |                         | Operating                                                               |                  | Non-Operating |                           |        |
| Physical Characteristics | Temperature             | 0 ~ 60 °C (32 ~ 140 °F), depends on CPU's speed and cooler solution.    |                  |               | -20 ~ 70 °C (-4 ~ 158 °F) |        |
|                          | Dimensions (W x D)      | 244 mm x 244 mm (9.6" x 9.6")                                           |                  |               |                           |        |

## Block Diagram



## Ordering Information

| Part Number     | Gigabit LAN | VGA |
|-----------------|-------------|-----|
| AIMB-560VG-00A1 | Single      | Yes |
| AIMB-560G2-00A1 | Dual        | Yes |

## Bracket View



AIMB-560VG-00A1



AIMB-560G2-00A1

## Packing List

| Part Number | Description                   | Quantity |
|-------------|-------------------------------|----------|
| 1700340640  | FDD cable                     | X 1      |
| 1701400452  | IDE HDD cable                 | X 2      |
| 1700071000  | Serial ATA HDD data cable     | X 2      |
| 1703150102  | Serial ATA HDD power cable    | X 2      |
| 170304015K  | ATX 12V power converter cable | X 1      |
| 1701090401  | COM port cable kit            | X 1      |
| 9689000068  | Jumper pack                   | X 1      |
| 1960004027  | 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     |
| 1750000332  | LGA775 CPU cooler up to 3.8 GHz (115 W), 2U, 4U, 5U and 7U chassis |