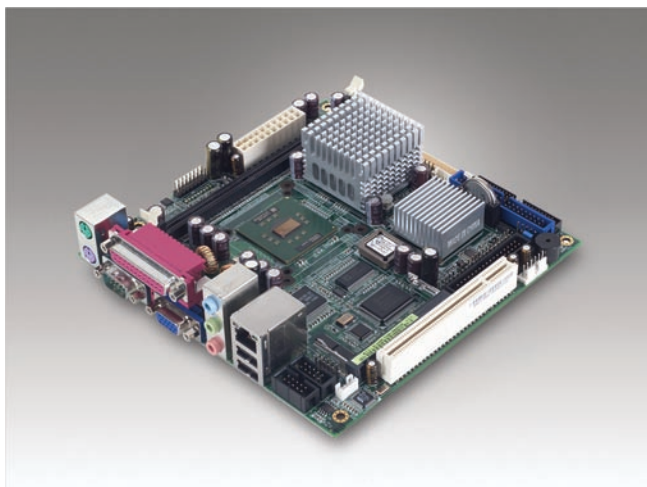




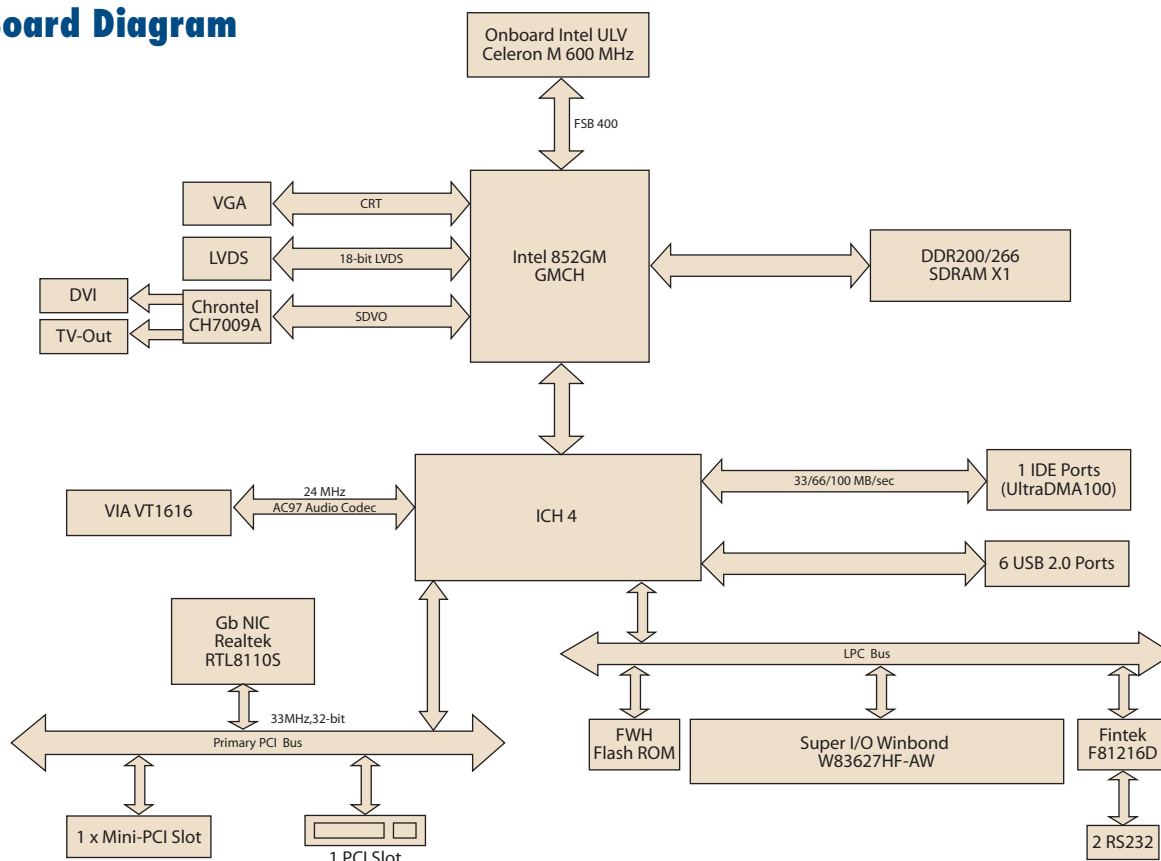
### Features

- Onboard Intel® ULV Celeron® M 600 MHz processor
- Intel 852GM Chipset
- One DIMM socket supports up to 1 GB DDR 200/266 SDRAM
- 18-bit LVDS, on board DVI
- 5.1 CH Audio
- Realtek™ RTL8110S GbE LAN
- One PCI
- Six USB 2.0, 16-bit GPIO
- Four serial ports

### Specifications

|                          |                |                                                        |        |        |
|--------------------------|----------------|--------------------------------------------------------|--------|--------|
| Processor System         | CPU            | Onboard Intel ULV Celeron M 600 MHz                    |        |        |
|                          | Front Side Bus | 400 MHz                                                |        |        |
|                          | L2 Cache       | 512 KB                                                 |        |        |
|                          | Chipset        | Intel 852GM + ICH4                                     |        |        |
|                          | BIOS           | Award™ 4 Mb FWH                                        |        |        |
| Expansion Slot           | PCI            | 32-bit/33MHz, 1 slot                                   |        |        |
|                          | mini PCI       | 32-bit/33MHz, 1 slot                                   |        |        |
| Memory                   | Technology     | DDR 200/266 SDRAM                                      |        |        |
|                          | Max. Capacity  | 1GB                                                    |        |        |
|                          | Socket         | 184-pin DIMM x 1                                       |        |        |
| Graphics                 | Controller     | Chipset Integrated VGA Controller                      |        |        |
|                          | VRAM           | Shared system memory up to 64 MB video memory          |        |        |
|                          | LVDS           | Single channel 18-bit/Dual channel 36-bit LVDS         |        |        |
|                          | TV-Out         | Supports both S-video and composite video              |        |        |
|                          | DVI            | Chrontel 7009A TV encoder supports both NTSC/PAL       |        |        |
|                          | Dual Display   | Chrontel 7009A DVI transmitter up to 135M pixel/second |        |        |
| Ethernet                 | Interface      | 10/100/1000Base-T                                      |        |        |
|                          | Controller     | Realtek RTL8110S                                       |        |        |
|                          | Connector      | RJ-45 x 1                                              |        |        |
| EIDE                     | Mode           | 2 x EIDE (Ultra DMA 100)                               |        |        |
|                          | Channel        | 2                                                      |        |        |
| Rear I/O                 | VGA            | 1                                                      |        |        |
|                          | Ethernet       | 1                                                      |        |        |
|                          | USB            | 2 (USB 2.0 compliant)                                  |        |        |
|                          | Audio          | Mic-In, Line-In, Line-Out                              |        |        |
|                          | Parallel       | 1                                                      |        |        |
|                          | Serial         | 1 (RS-232/422/485), supply 5 V or 12 V via jumper      |        |        |
|                          | PS/2           | 2 (keyboard and mouse)                                 |        |        |
| Internal Connector       | LVDS           | 1                                                      |        |        |
|                          | DVI            | 1                                                      |        |        |
|                          | TV-Out         | 1                                                      |        |        |
|                          | USB            | 4 (USB 2.0 compliant)                                  |        |        |
|                          | Serial         | 3 (RS-232)                                             |        |        |
|                          | IDE            | 1 (40/44 Pin)                                          |        |        |
|                          | IrDA           | 115k bps, IrDA 1.0 compliant                           |        |        |
|                          | FDD            | 1                                                      |        |        |
| Watchdog Timer           | DIO            | 16-bit General Purpose I/O for DI and DO               |        |        |
|                          | Output         | System reset                                           |        |        |
| Power Requirement        | Interval       | Programmable 1 ~ 255 sec/ min                          |        |        |
|                          | Typical        | Celeron M 600 MHz, 1 GB DDR SDRAM                      |        |        |
|                          |                | +5 V                                                   | +3.3 V | +12 V  |
| Environment              |                | 1.58 A                                                 | 4.66 A | 0.05 A |
|                          |                |                                                        |        | +5 VSB |
| Physical Characteristics |                |                                                        |        | 0.4 A  |
|                          | Operating      |                                                        |        |        |
|                          | Temperature    | 0 ~ 60° C (32 ~ 140° F)                                |        |        |
|                          | Dimensions     | 170 mm x 170 mm (6.69" x 6.69")                        |        |        |

## Board Diagram



## Ordering Information

| Part Number     | Processor     | DVI | COM | TV-Out | Mini PCI |
|-----------------|---------------|-----|-----|--------|----------|
| AIMB-251F-00A1E | Celeron M 600 | Yes | 4   | Yes    | Yes      |

## Bracket View



AIMB-251F-00A1E

## Packing List

| Description            | Quantity |
|------------------------|----------|
| AIMB-251 SBC           | x 1      |
| IDE HDD cable (40 pin) | x 1      |
| IDE HDD cable (44 pin) | x 1      |
| FDD cable              | x 1      |
| CPU Cooler             | x 1      |
| I/O port bracket       | x 1      |
| Startup Manual         | x 1      |
| Driver CD              | x 1      |
| Serial cable (RS-232)  | x 3      |

## Accessory

| Part Number | Description                     |
|-------------|---------------------------------|
| 1700003433  | USB cable with two ports, 20 cm |
| 1700003434  | TV-Out cable                    |
| 1700003435  | DVI cable                       |