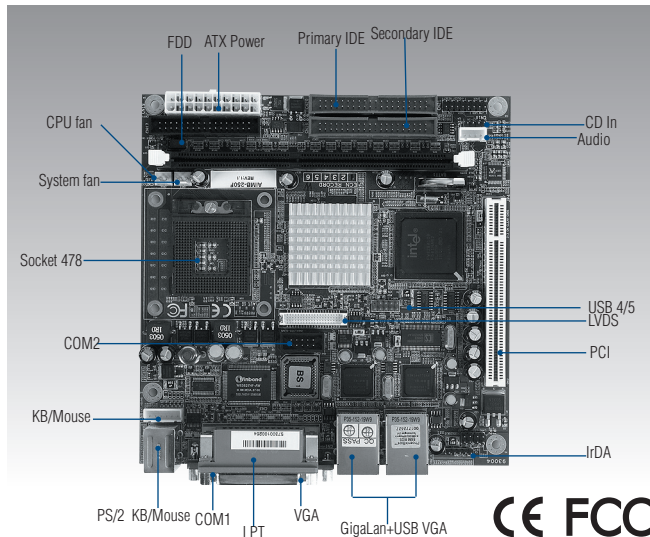


# AIMB-250

## Socket 478 Mini-ITX SBC for Multimedia Applications



## Specifications

### General

- **CPU** Socket 478 Intel® Pentium® M with 1MB L2 cache processor at 1.1GHz~1.7GHz (Banias)  
Socket 478 Intel® Pentium® M with 2MB L2 cache processor at 1.5GHz~2.0GHz (Dothan)
- **2nd Cache Memory** Depends on CPU from 1MB to 2 MB
- **System Chipset** Intel 855GME + ICH4 Chipsets
- **BIOS** AWARD 256 KB Flash BIOS
- **System Memory** One 184-pin DIMM, support 1GB DDR 266/333 SDRAM
- **Power Management** APM 1.1
- **SSD** N/A
- **Watch Dog Timer** 256 level timer interval
- **Expansion Interface** 1 x PCI
- **Battery** Lithium 3 V/220 mA

### I/O

- **I/O Interface** 2 x EIDE ( supports ATA-100/66/33 IDE devices), 1 x FDD, 1 x K/B, 1 x mouse, 2 x RS-232, 1 x LPT
- **USB** 6 x USB 2.0
- **Audio** Supports CD-in, lin-out
- **IrDA** 115.2 kbps, IrDA 1.0 compliant
- **GPIO** N/A

### Ethernet

- **Chipset** Intel 82541GI
- **Speed** 10/100/1000 Base-T
- **Interface** 2x RJ45
- **Standard** IEEE 802.3, IEEE 802.3u, IEEE 802.3z/ab (optional)

## Features

- Socket 478 for Intel® Pentium® M processors
- Memory support DDR 266/333 MHz
- Support 10/100/1000 Base T Ethernet
- Support 6 USB 2.0 ports
- Support 2 COM ports, 1 PCI slot
- Low profile heatsink with fan watchdog timer & hardware monitoring function

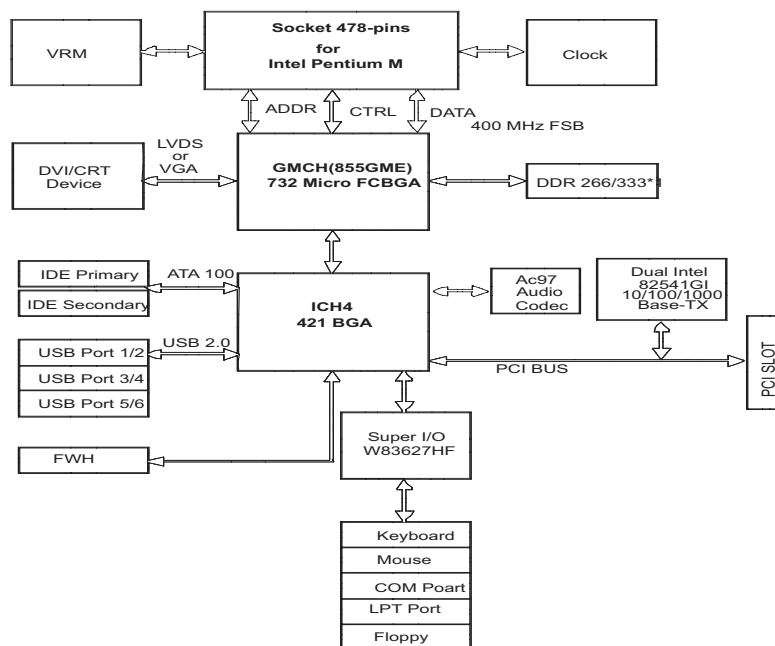
### Display

- **Chipset** Intel® 855GME chipset integrated LVDS, VGA function
- **Memory Size** Intel® Direct Memory Execution model to use system memory
- **Resolution** CRT display mode: pixel resolution up to 1600x1200  
LVDS display mode: up to UXGA panel resolution

### Mechanical and Environmental

- **Dimension (L x W)** 170 x 170 mm
- **Weight** 0.35kg
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity** Operating Humidity 10% ~ 90% relative humidity, noncondensing
- **Power Supply Voltage** +5 V ±5 %, +12 V ±5 %, -12 V ±5 %
- **Power Consumption** Max: +5V @ 3.53A, +12V @ 0.16A  
Typical: +5V @ 2.48A, +12V @ 0.14A  
(Pentium 1.7G with 256MB DDR 266)

## Board Diagram



## Packing List

- 1 x AIMB-250 SBC
- 1 x Ultra ATA 66/100 HDD cable
- 1 x FDD cable
- 1 x Audio line out cable
- 1 x Cooling fan
- 1 x I/O port bracket
- 1 x Startup Manual
- 1 x Utility CD

## Ordering Information

### Standard

- **AIMB-250F-00A1** Socket 478 Mini-ITX SBC, w/VGA, LCD, Dual GigaLAN, Audio

### Optional Accessories

- USB cable
- Keyboard and PS/2 mouse cable