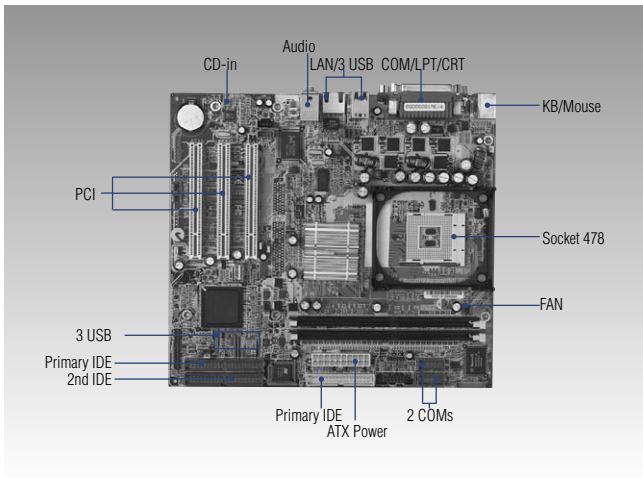


# AIMB-540

## Socket 478 MicroATX SBC for Multimedia Applications



### Features

- Socket 478 for Intel® Pentium® 4/Celeron® processors
- Onchip 4 x AGP 845GV display controller
- 2 RS-232 /6 serial ports
- 6 USB 2.0 interface compliant connectors, 3 external, 3 internal
- Supports MicroATX 3 PCI slots
- Supports AC97 Audio
- Supports 10/100Base-T Ethernet



### Specifications

#### General

- **CPU** Socket 478 Intel Pentium 4 processor
- **2nd Cache Memory** 256 KB/512 KB processor
- **System Chipset** Intel 82845GV
- **BIOS** AWARD 256 KB Flash BIOS
- **System Memory** DDR DIMM x 2, Max. 2 G
- **Power Management** Supports ACPI
- **Expansion Interface** 3 x PCI
- **Battery** Lithium 3 V/220 mAH

#### I/O

- **I/O Interface** 2 x EIDE (40-pin Ultra DMA 66 & 100 and 44-pin Ultra DMA 33), 1 x K/B, 1 x mouse, 2 x RS-232, 1 x LPT
- **USB** 6 x USB 2.0, 3 internal, 3 external
- **Audio** Supports AC' 97
- **IrDA** 115.2 kbps, IrDA 1.0 compliant

#### Ethernet

- **Chipset** Realtek RTL8100B (10/100 Mbps)
- **Speed** 10/100Base-T
- **Interface** 1 x RJ-45
- **Standard** IEEE 802.3, IEEE 802.3u

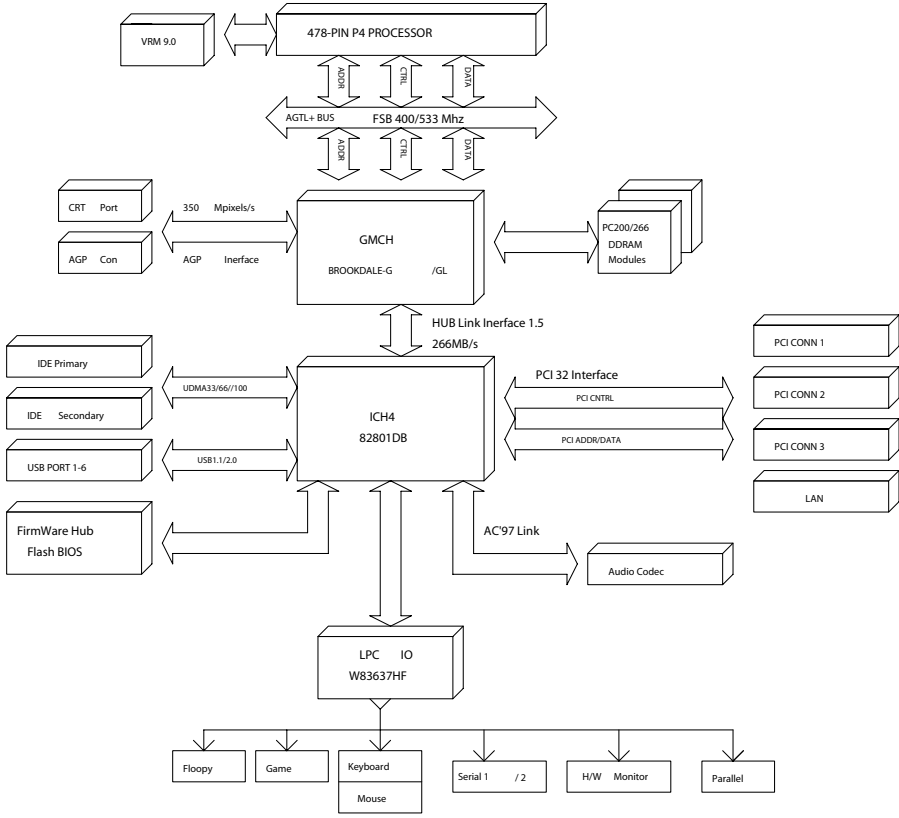
#### Display

- **Chipset** Intel 845GV
- **Memory Size** Intel Direct Memory Execution model to use system memory
- **Resolution** Maximum 3D Resolution Supported: 1600 x 1200 @ 32 bpp at 85 Hz  
Maximum Video Overlay Display Resolution: 1600 x 1200 @ 32 bpp at 60 Hz  
1280 x 1024 @ 32 bpp at 85 Hz

#### Mechanical and Environmental

- **Dimension (L x W)** 245 x 220 mm (9.7" x 8.7")
- **Weight** 0.6 kg
- **Operating Temperature** 0 ~ 40° C (32 ~ 104° F), operation
- **Operating Humidity** 0% ~ 90% relative humidity, noncondensing

**Board Diagram**



**Packing List**

- 1 x AIMB-540
- 1 x FLAT CABLE 34P for FDD (p/n: 1701340700)
- 1 x FLAT CABLE 40P/40P/40P 45CM FOR HORN (p/n: 1701400451)
- 1 x Startup Manual
- 1 x Utility CD

**Ordering Information**

- Standard**
- AIMB-540F-00A1 Socket 478 MicroATX, w/VGA/2COM/1LPT/LAN/3PCI

- Optional Accessories**
- FAN w/heatsink for Socket 478 2.0 G processor (p/n: 1759252100)
  - P4 CPU FAN w/heatsink up to 2.8 G for 1U (p/n: 1759214200)