

AIMB-340

Socket 478 EmbeddedATX SBC for Multimedia Applications

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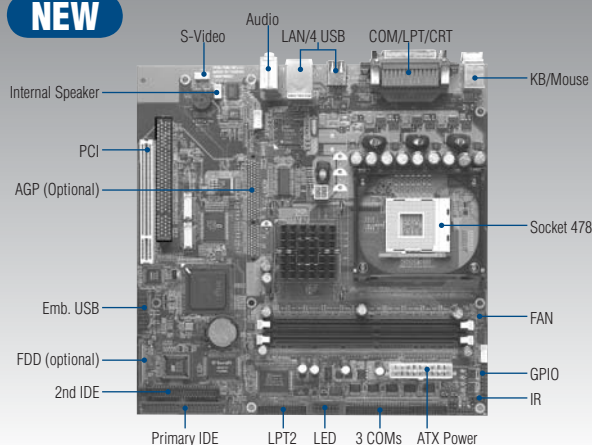
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NEW



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Specifications

- **CPU** Socket 478 Intel® Pentium® 4 Northwood processor up to 3.06 GHz
- **System Memory** DDR DIMM x 2, Max. 2 G
- **2nd Cache Memory** 256KB/512KB processor
- **System Chipset** Intel® 82845GV/82845GE/82845G, (82845GE/82845G optional)
- **BIOS** AWARD 256KB Flash BIOS
- **SSD** CompactFlash™ Card, DiskOnChip® support
- **Watchdog Timer** 1 - 62 Sec, System reset
- **Expansion Interface** 1x PCI, 1 x AGP (optional), 1 x miniPCI

I/O

- **MIO** 2 x EIDE (40-pin Ultra DMA 66 & 100 and 44-pin Ultra DMA 33), 1 x K/B, 1 x mouse, 1 x RS-232/422/485, 5 x RS-232, 2 x LPT
- **IrDA** 115.2 Kbps, IrDA 1.0 compliant
- **DIO** 2 TTL digital out, 4 TTL digital in
- **USB** 6 x USB 2.0
- **Ethernet** Intel® 82562 or 82551 ER 10/100M or, Intel® 82540EM 10/100/1000M (optional)

Ethernet

- **Chipset** Intel® 82562 or 82551 ER 10/100M or, Intel® 82540EM 10/100/1000M (optional)
- **Ethernet interface** 1x RJ45
- **Speed** 10/100Base-T (optional: 10/100/1000Base-T)
- **Standard** IEEE 802.3, IEEE 802.3u, IEEE 802.3z/ab (optional)

Features

- Socket 478 for Intel® Pentium® 4 processor
- Onchip 4x AGP VGA/LCD & LCD controller up to 1600 x 1200, supports 36-bit XGA TFT LCD Panel
- 2/6 serial ports, one RS-232/422/485 the others are RS-232. COM3-6 shared IRQ
- 6 USB 2.0 interface compliant included 1 Embedded USB
- Supports Mini PCI Socket for optional modem/wireless LAN
- Supports I2C, DIO interface
- Supports system overheat temperature control
- 63-levels watchdog timer, jumperless on-line setup supported

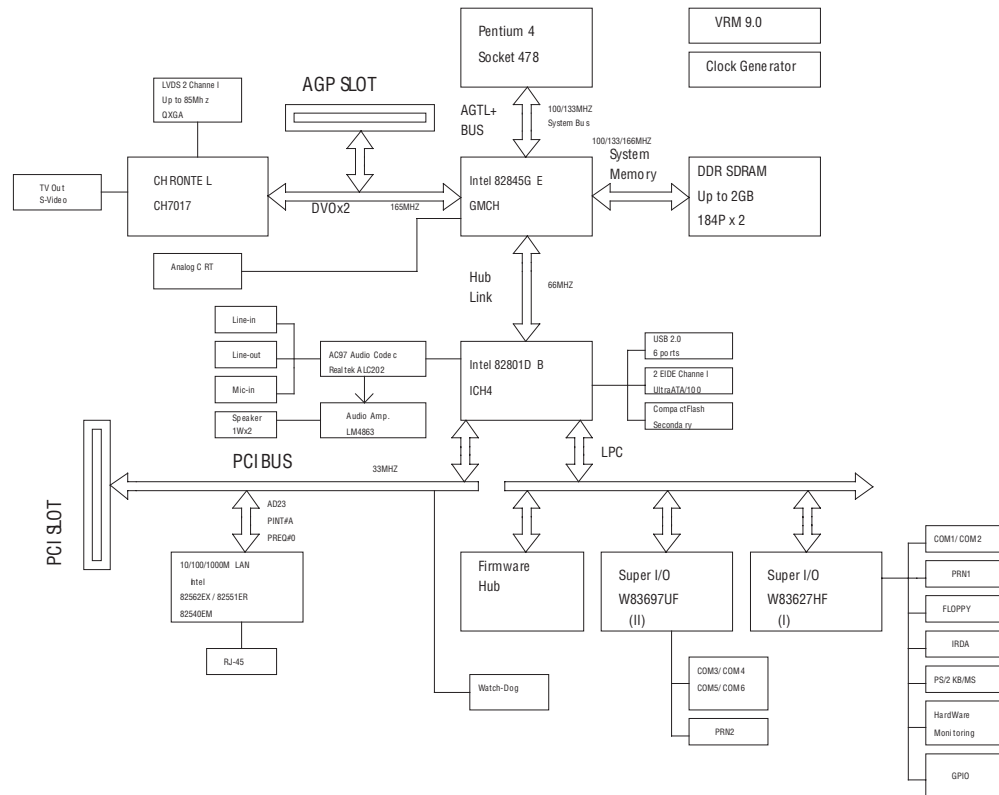
Display

- **Chipset** Intel® 845GV, 845G/845GE(optional)
- **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

- **Battery** Lithium 3 V/220 mAH
- **Size/Weight** 244 x 244 mm (9.6" x 9.6")
- **Environment** 0 ~ 60° C (32 ~ 140° F), operation
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing

Board Diagram



Packing List

- 1 AIMB-340 SBC
- 1 Serial Cable 45cm
- UDMA/66 IDE flat cable
- 4-port serial cable 45cm(AIMB-340F only)
- Startup Manual
- Utility CD

(p/n: 1700000445)

(p/n: 1701400453)

(p/n: 1700000447)

Ordering Information

Standard

- AIMB-340F-00A1** Socket 478 EmbATX SBC, w/VGA, LCD, Audio, Ethernet, SSD, 6 COM and 2 LPT
- AIMB-340L-00A1** Same as AIMB-340F w/ 2 COM, 1 LPT, w/o LCD

Accessories

- Serial cable (p/n:1701140201)
- UDMA/66 IDE flat cable (p/n: 1701400453)
- UDMA/100 IDE flat cable (p/n: 1700000364)
- DMA/33 IDE flat cable 44 pin to 40 pin (p/n: 1701440350)
- 4-port serial cable (p/n: 1700400181)
- ELPT Cable (45cm) (p/n:1700000446)
- USB cable (2.54mm) (p/n:1700100170)
- P4 CPU FAN w/heatsink up to 2.8 G for 1U (p/n: 1759214200)