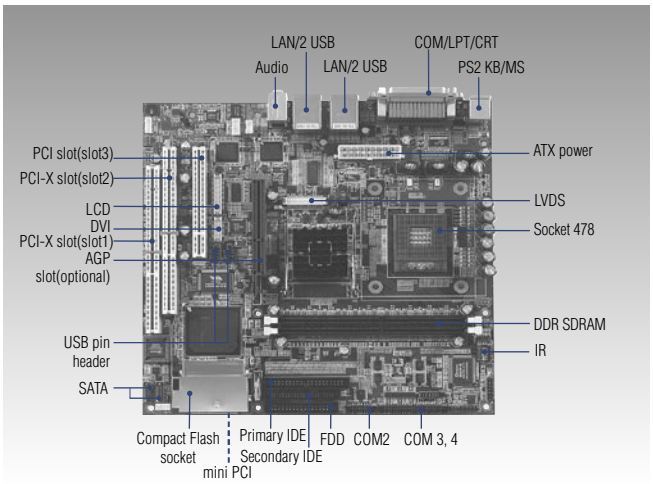
AIMB-350

Socket 478 Embedded ATX / Micro ATX w/ LVDS, USB, AGP, Audio



Features

- Socket 479 supports Intel® Pentium® M / Celeron® M processors
- Memory up to 2 GB DDR RAM (200/266/333 MHz) ECC function supported
- Two SATA-150 channels
- Expansion slot support: PCI-X and PCI
- Dual Gigabit LAN ports
- Eight USB 2.0 ports
- Two/four serial ports, one RS-232/422/485, another is RS-232
- TV-out
- Dual display function
- Display interface: DVI, CRT, LCD panel (LVDS/TTL)
- AGP slot (optional)

Specifications

General

- **CPU** — Socket 478 supports Intel Pentium M (Banias)
- **2nd Cache Memory** — 1 MB on the Pentium M (Banias) processor/2 MB on the Dothan processor
  512 KB on Celeron M processor
- **System Chipset** — Intel 855GME + 6300ESB Chipset
- **BIOS** — Phoenix® award 512 Kbit flash BIOS
- **System Memory** — 2 x DDR DIMM, Max. 2 GB
- **Power Management** — APM/ACPI
- **SSD** — CompactFlash® card support
- **Watchdog Timer** — 255 levels interval, system reset
- **Expansion Interface** — 1 x PCI-X (slot 1, embedded ATX only)
  1 x PCI-X, 1 x PCI (slot2, 3, for Micro ATX only)
  1 x Mini PCI AGP (optional)
- **Battery** — Lithium 3 V/195 mAH (CR2032)

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, 1 x RS-232/422/485, 3 x RS-232, 1 x LPT, 1 x FDD
- **USB** — 8 x USB 2.0
- **Audio** — Supports AC' 97
- **IrDA** — 115.2 kbps, IrDA 1.0 compliant
- **GPIO** — 4 TTL digital out, 4 TTL digital in

Ethernet

- **Chipset** — Intel 82551ER (10/100), Intel 82541GI (Giga)
- **Speed** — 10/100Base-T or 1000Base-T
- **Interface** — 2 x RJ-45 connectors
- **Standard** — IEEE 802.3, IEEE 802.3u, IEEE 802.3z/ab (optional)

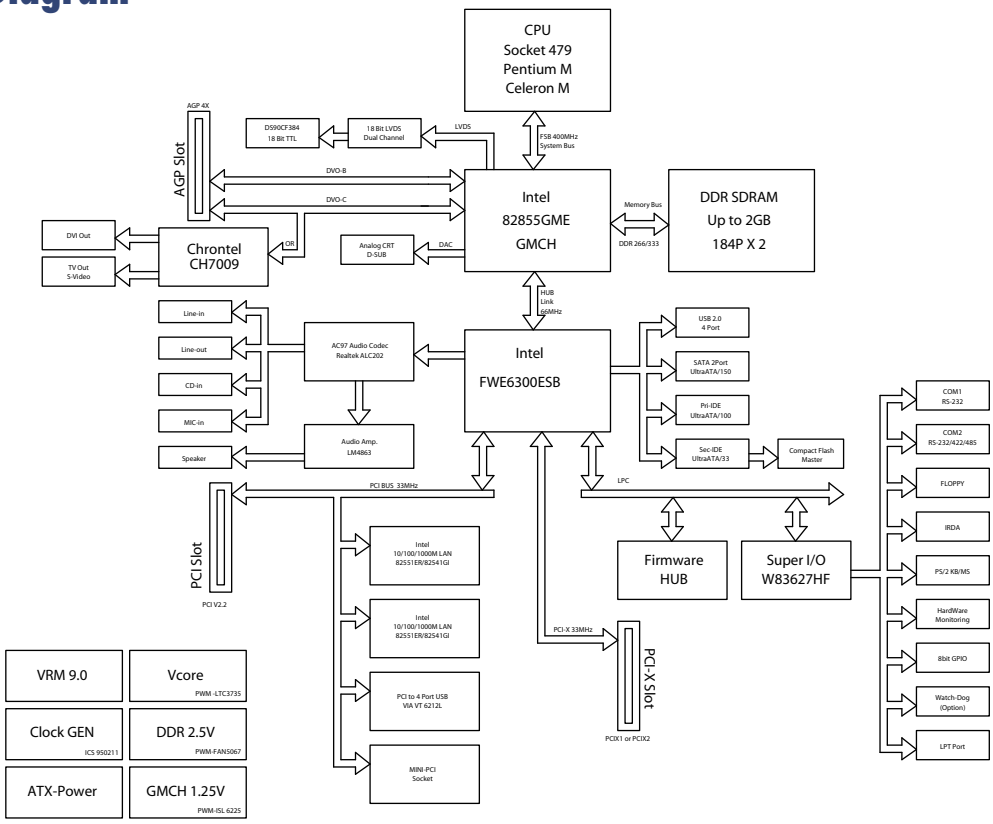
Display

- **Chipset** — Intel 855GME GMCH/ 6300ESB
- **Memory Size** — Direct Memory Execution model uses 64 MB system memory
- **Resolution** — Maximum 3D resolution:
  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
- **Dual Independent Display** — CRT+ LCD panel (LVDS/TTL)
  CRT + DVI

Mechanical and Environmental

- **Dimension (L x W)** — 244 x 244 mm (9.6" x 9.6")
- **Weight** — 0.8 kg (weight of total package)
- **Operating Temperature** — 0 ~ 60° C (32 ~ 140° F), operating
- **Operating Humidity** — 0% ~ 90% relative humidity, noncondensing
- **Power Supply Voltage** — +5 V ±5 %, +12 V ±5 %, -12 V ±5 %
- **Power Consumption** — Typical: 2.46 A @ 5 V, 0.33 A @ 12 V
  (Pentium M 1.7 GHz, 256 MB DDR333)

Board Diagram



Packing List

- **1 x AIMB-350 SBC**
- **1 x IDE HDD cable** (p/n:1701400452)
- **1 x Secondary IDE cable** (p/n:1701440350)
- **1 x COM port cable** (p/n:1701140201)
- **1 x COM3,4 cable** (p/n:1701200220)
- **1 x cooler** (p/n:1750000069)
- **1 x Jumper pack** (p/n:9689000068)
- **1 x I/O shield** (p/n:1960001955)
- **1 x Startup Manual**
- **1 x Utility CD**

Optional Accessories

- **UDMA/100 IDE flat cable** (p/n: 1700000364)
- **USB cable (2.54 mm)** (p/n: 1700000719)
- **DVI cable** (p/n: 1700000410)
- **FDD cable** (p/n: 1701340700)
- **SATA cable** (p/n: 1700001054)

Ordering Information

Part No.	AGP	LVDS	TTL	DVI	TV out	10/100	Giga	SATA	USB	RS-232	RS-232/422/485	GPIO	LPT	CF	miniPCI	PCI	PCI-X
AIMB-350F-00A1E	-	1	1	Yes	Yes	2	-	2	8	3	1	4 in, 4 out	1	Yes	Yes	1	2
AIMB-350L-00A1E	Option	-	-	-	-	1	-	2	4	3	1	4 in, 4 out	1	Yes	Yes	-	1
AIMB-350G-00A1E	-	1	1	Yes	Yes	-	2	2	8	3	1	4 in, 4 out	1	Yes	Yes	1	1