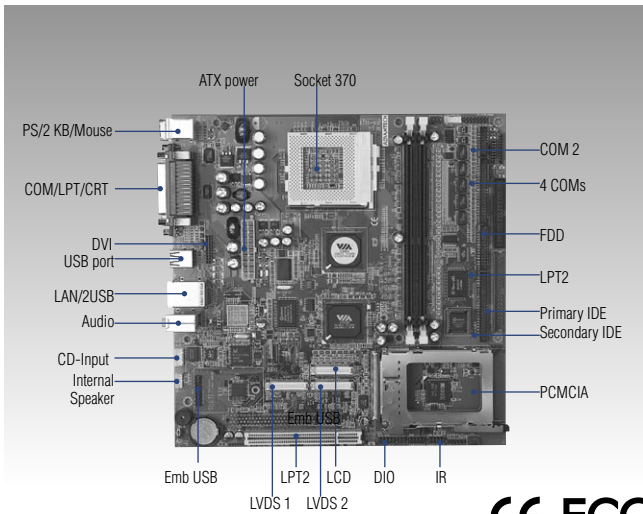


AIMB-330

Socket 370 Embedded ATX SBC for Multimedia Applications



Specifications

General

- **CPU** Socket 370 support Intel Celeron/Pentium III (Tualatin), VIA C3 > 750 MHz
- **2nd Cache Memory** 256 KB/512 KB on processor
- **System Chipset** VIA CLE266 + 8235 Chipset
- **BIOS** AWARD 256 kbit Flash BIOS
- **System Memory** DDR DIMM x 2, Max. 2 Gb
- **Power Management** APM 1.1
- **SSD** CompactFlash® card support
- **Watch Dog Timer** 1 ~ 62 sec, System reset
- **Expansion Interface** 1 x PCI, 1 x miniPCI, 2 x Cardbus (optional), 2 x Firewire (optional)
- **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, 1 x RS-232/422/485, 5 x RS-232, 2 x LPT
- **USB** 6 x USB 2.0
- **Audio** Lin-in, lin-out, Mic, CD-in
- **IrDA** 115.2 kbps, IrDA 1.0 compliant
- **GPIO** 2 TTL digital out, 4 TTL digital in

Ethernet

- **Chipset** RealTek RTL8139DL 10/100 Mbps or Intel 82541GI (10/100/1000 Mbps optional)
- **Speed** 10/100Base-T or 1000Base-T
- **Interface** 1 x RJ45
- **Standard** IEEE 802.3, IEEE 802.3u, IEEE 802.3z/ab (optional)

Features

- Socket 370 supports Intel® Celeron®/Pentium® III (Tualatin), VIA C3 > 750 MHz processors
- On-chip 4 x AGP performance, support CRT and up to 24-bit TTL or LVDS interface TFT LCD display, DVI support
- Dual independent display supported (multiple display combination optional)
- 2/6 serial ports, one RS-232/422/485, the others are RS-232. COM 3 ~ 6 shared IRQ
- Supports DDR266 DRAM in 2 DIMM memory sockets
- 6 USB 2.0 interface compliant
- Supports Mini PCI socket for optional modem/wireless LAN
- Supports I2C, DIO interface
- Supports system overheat temperature control
- 63-level watchdog timer, jumperless on-line setup supported

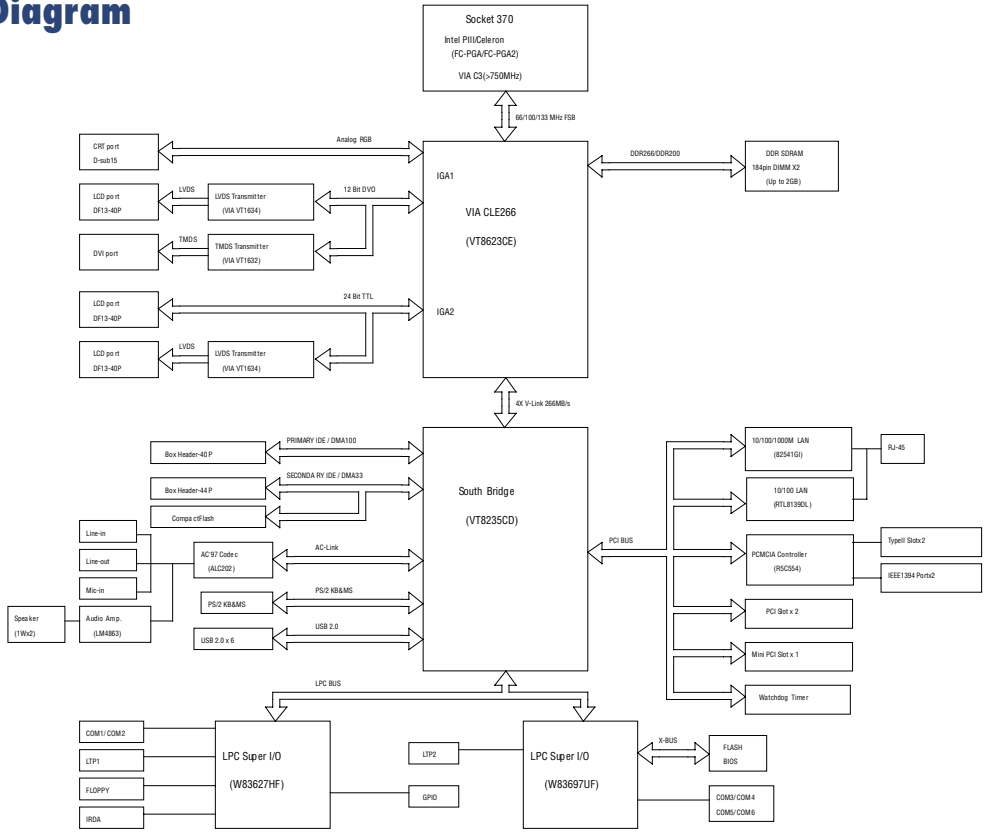
Display

- **Chipset** VIA CLE266 / VT8623CD
- **Memory Size** VIA 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
- **Dual Independent Display** CRT+ LCD panel (LVDS/TTL)
DVI + LCD panel (LVDS/TTL)
CRT + DVI
TTL + LVDS LCD panel
LVDS + LVDS LCD panel

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** Operating Humidity 0% ~ 90% relative humidity, noncondensing
- **Power Supply Voltage** +5 V ±5 %, +12 V ±5 %, -12 V ±5 %
- **Power Consumption** +12 V (CPU) @ 0.33 A, +5 V @ 6.15 mA, +3.3 V @ 2.6 A (Pentium III 1.26 GHz, DDR333 512 + 256 MB)

Board Diagram



Packing List

- 1 x AIMB-330 SBC
- 1 x Serial Cable 45 cm (p/n: 1700000445)
- 1 x UDMA/66 IDE flat cable (p/n: 1701400452)
- 1 x 4-port serial cable 45 cm (AIMB-330F) (p/n: 1700000447)
- 1 x Startup Manual
- 1 x Utility CD

Ordering Information

Standard

- **AIMB-330F-00A1** Socket 370 EmbATX SBC, w/VGA, LCD, Audio, Ethernet, SSD, 6COM and 2LPT; w/o IEEE1394, Cardbus
- **AIMB-330G-00A1** Skt370 P3 SBC, w/LCD, DVI, GigaLAN, 1394 Cardbus, 6COM

Optional Accessories

- **Serial cable** (p/n: 1701140201)
- **UDMA/100 IDE flat cable** (p/n: 1700000364)
- **DMA/33 IDE flat cable 44 pin to 40 pin** (p/n: 1701440350)
- **LPT Cable (45 cm)** (p/n: 1700000599)
- **USB cable (2.54 mm)** (p/n: 1700100170)
- **IEEE 1394 cable** (p/n: 1700000644)
- **DVI cable** (p/n: 1700000410)
- **FDD cable** (p/n: 1700340640)