

AIMB-250-B

**Low Power Mini-ITX Motherboard
with Rich I/O Integration Features**

NEW



Features

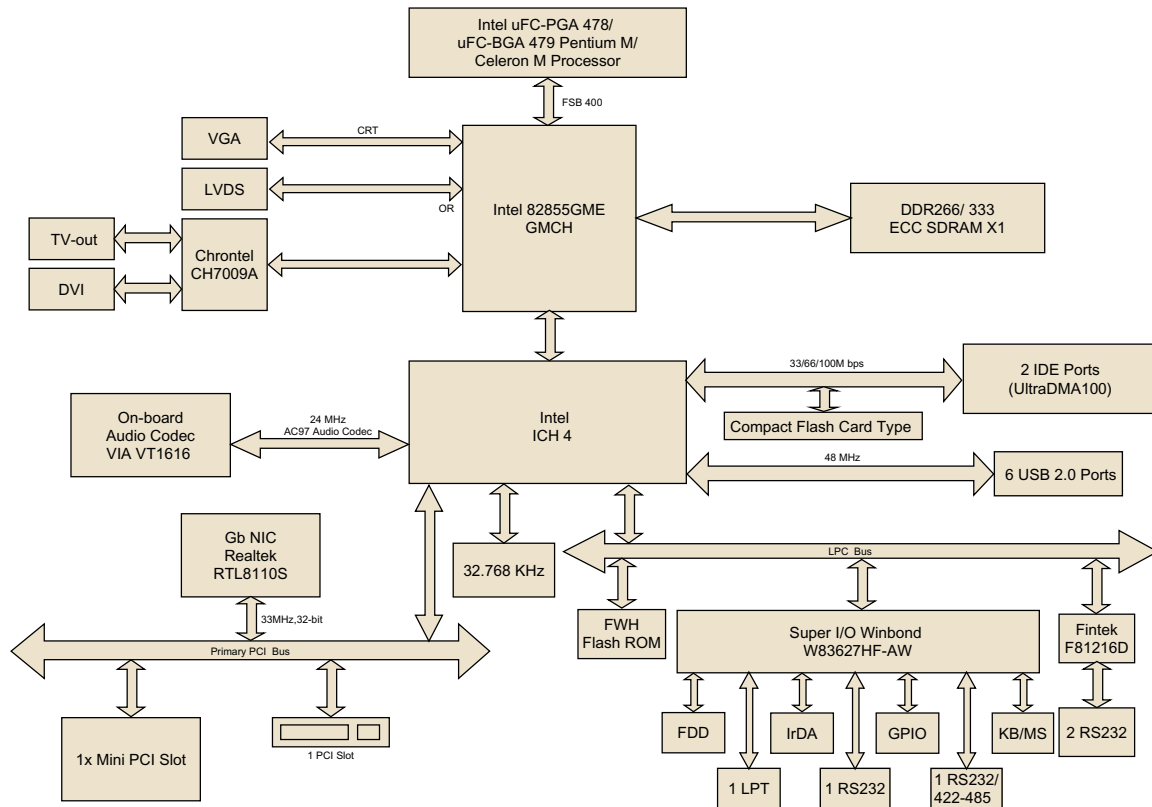
- Supports Intel® µFC-PGA 478/µFC-BGA 479 Pentium® M/Celeron® M CPU
- Intel 82855GME Chipset
- One DIMM socket supports up to 1 GB DDR 266/333 SDRAM
- 2-CH LVDS, DVI
- 5.1 CH Audio, TV-out
- Realtek™ RTL8110S Gigabit LAN
- One PCI, one Mini PCI, Type I/II CF
- Four COM, six USB 2.0, 16-bit GPIO



Specifications

Processor System	CPU	Intel Pentium M	Intel Celeron M
	Max. Speed	1.8 GHz	1.5 GHz
	Front Side Bus	400 MHz	400 MHz
	L2 Cache	2 MB	1 MB
	Chipset	Intel 82855GME + ICH4	
	BIOS	Award™ 4Mb FWH	
Expansion Slot	PCI	32-bit/33MHz, 1 slot	
	Mini-PCI	32-bit/33MHz, 1 slot	
Memory	Technology	DDR 266/333 SDRAM (ECC/Non-ECC support)	
	Max. Capacity	1 GB	
	Socket	One 184-pin DIMM socket	
Graphic	Controller	Chipset Integrated VGA Controller	
	VRAM	Shared system memory up to 64 MB video memory	
	LVDS	Single channel 18-bit/Dual-channel 36-bit LVDS	
	TV-Out	Supports both S-video and composite video	
	DVI	Chrontel® CH7009A TV encoder supports both NTSC/PAL	
	Dual Display	Chrontel CH7009A DVI transmitter up to 135M pixels/second	
Ethernet	Interface	10/100/1000Base-T	
	Controller 1	LAN 1 Realtek™ RTL8110S Gigabit LAN (PCI)	
	Connector	1 (RJ45)	
EIDE	Mode	2 x EIDE (Ultra DMA 100)	
	Channel	2	
Rear I/O	VGA	1	
	Ethernet	1	
	USB	2 (USB 2.0 ports)	
	Audio	Mic-In, Line-In, Line-Out (VIA® VT1616 supports 5.1 CH AC97 Audio)	
	Parallel	1	
	Serial	1 (RS-232/422/485), supply 5 V or 12 V via jumper	
	PS/2	2 (keyboard and mouse)	
Internal Connector	LVDS	1	
	TV-Out	1	
	DVI	1	
	USB	4 (USB 2.0 ports)	
	Serial	3	
	IDE	2 (40/44 Pin)	
	Compact Flash	1	
	IrDA	115k bps, IrDA 1.0 compliant	
	FDD	1	
Watchdog Timer	DIO	16-bit General Purpose I/O for DI and DO	
	Output	System reset	
Power Requirement	Interval	Programmable 1 ~ 255 sec.	
	Typical	Pentium M 1.8 GHz, 256 MB DDR SDRAM	
	+5 V	+3.3 V	+12 V
	3.61 A	3.72 A	0.31 A
Environment	+5 VSB		
	0.4 A		
Physical Characteristics	Operating		
	0 ~ 60° C (32 ~ 140° F)		
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")	

Block Diagram



Ordering Information

Part Number	Specification
AIMB-250F-00B1E	Intel Pentium M/Celeron M Mini ITX Motherboard with VGA, 2-CH LVDS, DVI, TV-out, 5.1 CH Audio, Gb LAN, CF, PCI, Mini PCI, 4 COM, 6 USB 2.0 & GPIO

Bracket View



AIMB-250F-00B1E

Packing List

Description	Quantity
AIMB-250 SBC	x 1
IDE HDD cable (40 pin)	x 1
IDE HDD cable (44 pin)	x 1
FDD cable	x 1
CPU Cooler	x 1
I/O port bracket	x 1
Startup Manual	x 1
Driver CD	x 1
Serial cable (RS-232)	x 3

Accessory

Part Number	Description
1700003434	TV-Out cable
1700003433	USB cable
1700003435	DVI cable