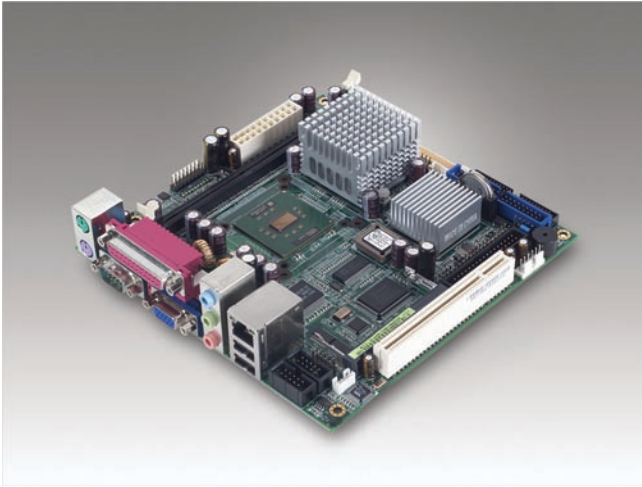


AIMB-251

Celeron® M Processor-based Mini-ITX Motherboard with 4 COM and LAN



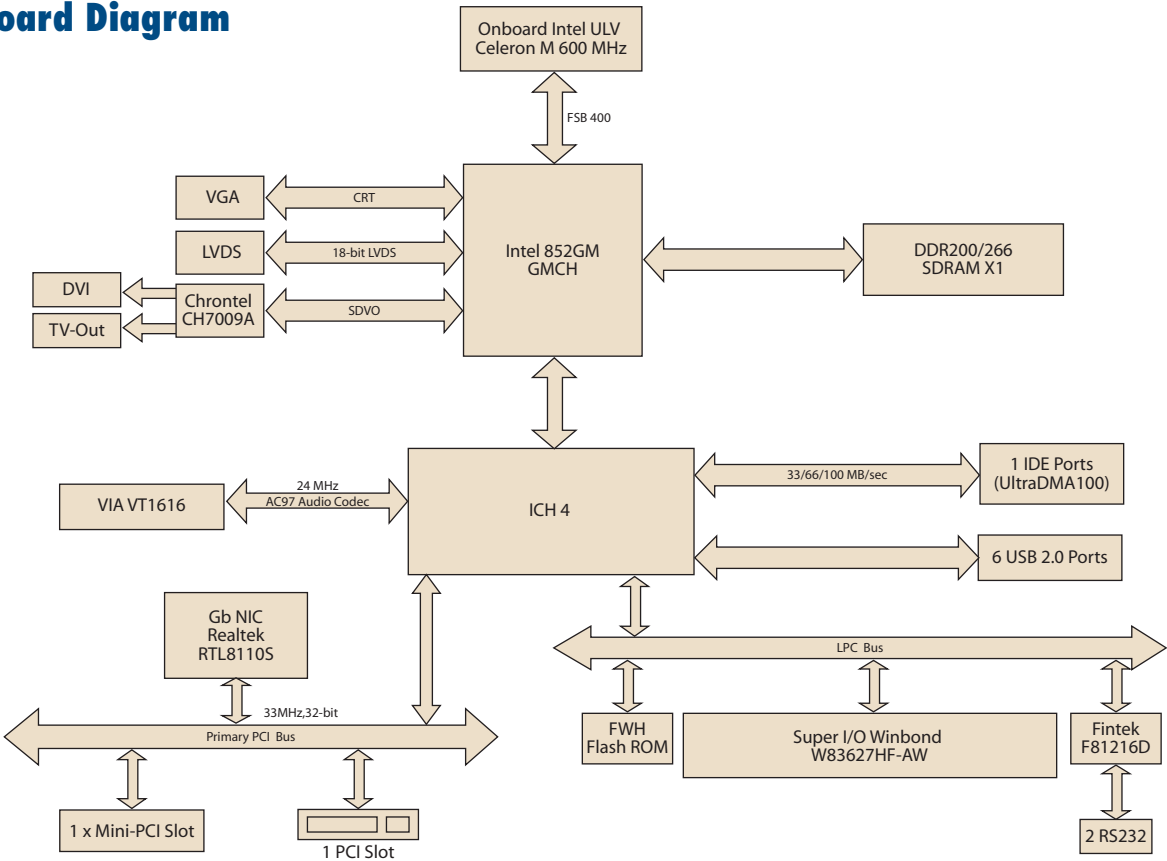
Features

- Onboard Intel® ULV Celeron® M 600 MHz processor
- Intel 852GM Chipset
- One DIMM socket supports up to 1 GB DDR 200/266 SDRAM
- 18-bit LVDS, on board DVI
- 5.1 CH Audio
- Realtek™ RTL8110S GbE LAN
- One PCI
- Six USB 2.0, 16-bit GPIO
- Four serial ports

Specifications

Processor System	CPU	Onboard Intel ULV Celeron M 600 MHz		
	Front Side Bus	400 MHz		
	L2 Cache	512 KB		
	Chipset	Intel 852GM + ICH4		
	BIOS	Award™ 4 Mb FWH		
Expansion Slot	PCI	32-bit/33MHz, 1 slot		
	mini PCI	32-bit/33MHz, 1 slot		
Memory	Technology	DDR 200/266 SDRAM		
	Max. Capacity	1GB		
	Socket	184-pin DIMM x 1		
Graphics	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 Chrontel 7009A TV encoder supports both NTSC/PAL		
	DVI	Chrontel 7009A DVI transmitter up to 135M pixel/second		
	Dual Display	CRT + LVDS, DVI/TV-Out + LVDS or CRT + DVI		
Ethernet	Interface	10/100/1000Base-T		
	Controller	Realtek RTL8110S		
	Connector	RJ-45 x 1		
EIDE	Mode	2 x EIDE (Ultra DMA 100)		
	Channel	2		
Rear I/O	VGA	1		
	Ethernet	1		
	USB	2 (USB 2.0 compliant)		
	Audio	Mic-In, Line-In, Line-Out		
	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		
	DVI	1		
	TV-Out	1		
	USB	4 (USB 2.0 compliant)		
	Serial	3 (RS-232)		
	IDE	1 (40/44 Pin)		
	IrDA	115k bps, IrDA 1.0 compliant		
	FDD	1		
	DIO	16-bit General Purpose I/O for DI and DO		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec/ min		
Power Requirement	Typical	Celeron M 600 MHz, 1 GB DDR SDRAM		
		+5 V	+3.3 V	+12 V
		1.58 A	4.66 A	0.05 A
				+5 VSB
			0.4 A	
Environment		Operating		
	Temperature	0 ~ 60° C (32 ~ 140° F)		
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")		

Board Diagram



Ordering Information

Part Number	Processor	DVI	COM	TV-Out	Mini PCI
AIMB-251F-00A1E	Celeron M 600	Yes	4	Yes	Yes

Bracket View



AIMB-251F-00A1E

Packing List

Description	Quantity
AIMB-251 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
1700003433	USB cable with two ports, 20 cm
1700003434	TV-Out cable
1700003435	DVI cable