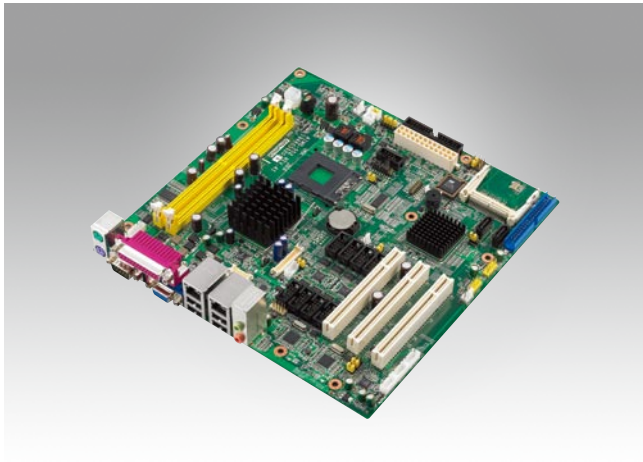


# AIMB-552

Socket 479 Intel® Pentium® M/Celeron® M  
MicroATX, VGA/LVDS, 10 COM, & Dual LAN



## Features

- Intel® 910GML/915GME chipset supporting 400/533 MHz FSB processor
- Dual channel DDR2 400/533 SDRAM up to 2 GB
- Supports dual display for VGA, LVDS, and DVI (optional)
- Supports 10 serial ports, 8 USB, 2 SATA ports, 2 LAN and CF
- Supports embedded software APIs and utilities

**Software APIs:**

- H/W Monitor
- GPIO
- Watchdog

**Utilities:**

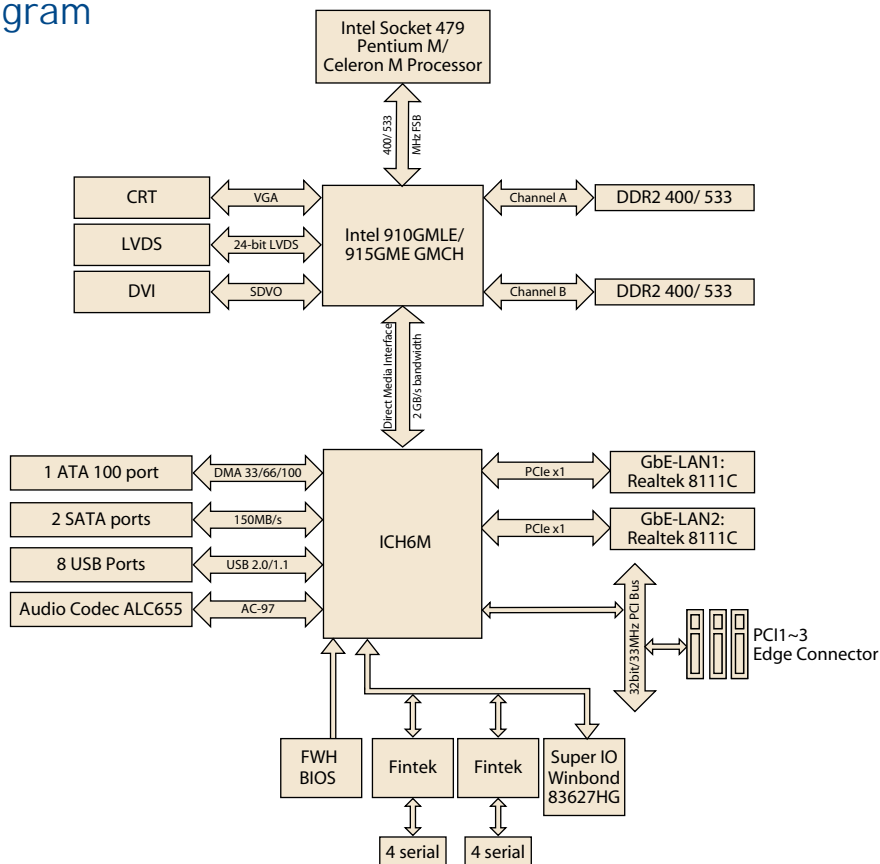
- BIOS flash
- Monitoring

## Specifications

Processor System	CPU (90 nm/130 nm)	Intel Pentium M	Intel Celeron M	Intel ULV Celeron M			
	Max. Speed	760 2.0 GHz	370 1.5 GHz	1 GHz on board			
	Front Side Bus	533 MHz	400 MHz	400 MHz			
	L2 Cache	2 MB	1 MB	0 KB			
	Chipset	Intel 915GME/910GML + ICH6M					
	BIOS	Award 4 Mbit, FWH					
Expansion Slot	PCI	32-bit/33 MHz, 3 slots					
Memory	Technology	Dual channel DDR2 400/533 SDRAM					
	Max. Capacity	2 GB					
	Socket	2 x 240-pin DIMM					
Graphics	Embedded	Intel GMA 900 sharing 128 MB system memory					
	LVDS	Single channel 24-bit/dual channel 48-bit LVDS					
	DVI	Chrontel 7307C SDVO Transmitter (optional)					
	Dual display	CRT + LVDS, CRT + DVI, LVDS + DVI					
Ethernet	Interface	10/100/1000 Mbps					
	Controller	GbE LAN1: Realtek RTL8111C, GbE LAN2: Realtek RTL8111C					
	Connector	RJ-45 x 2					
SATA	Max. Data Transfer Rate	150 MB/s					
	Channel	2					
EIDE	Mode	ATA 100/66/33					
	Channels	1 (max. two devices)					
SSD	CompactFlash	CompactFlash Type I/II					
I/O Interface	VGA	1					
	LVDS	1					
	DVI	1 (optional)					
	LAN	2					
	USB	8					
	Audio	2 (Line-out, Mic-in)					
	Serial	10 (2 of RS-232/422/485)					
	Parallel	1 (SPP/EPP/ECP)					
	FDD	1					
	PS/2	2 (1 x keyboard and 1 x mouse)					
Watchdog Timer	Output	System reset					
	Interval	Programmable 1 ~ 255 sec/min					
Power Requirements	Power On	Pentium 2.0 GHz PGA (FSB 533), 1GB DDR2 667	Celeron M 1.0 GHz BGA (FSB 400), 1 GB DDR2 533				
		+5 V	+3.3 V	+12 V	+5 V	+3.3 V	+12 V
		2.62 A	0.55 A	1.84 A	3.17 A	0.403 A	0.527 A
Environment	Temperature	Operating		Non-Operating			
		0 ~ 60° C (32 ~ 140° F)		-20 ~ 70° C (-4 ~ 150° F)			
Physical Characteristics	Dimensions (W x D)	244 mm x 244 mm (9.6" x 9.6")					

\* Intel 910GML only supports FSB 400 processor and DDR2 400 SDRAM

## Board Diagram



## Ordering Information

Part Number	On board processor	Chipset	DDR2	Display	GbE
AIMB-552G2-S0A1E	Celeron 1 GHz	910GMLE	400	VGA/LVDS	2
AIMB-552G2-00A1E	-	915GME	400/533	VGA/LVDS/DVI	2

\*AIMB-552 cannot be installed in ACP-2000MB chassis

## Riser Card

Part Number	Description
AIMB-RP10P-01A1E	1U riser card for 1 PCI expansion

## Packing List

Part Number	Description	Quantity
1700340640	FDD cable	1
1701400452	IDE HDD cable	1
1700003194	Serial ATA HDD data cable	2
1703150102	Serial ATA HDD power cable	2
1701100300	COM port cable kit	5
9689000068	Jumper pack	1
1960012532T100	I/O bracket	1
-	Startup manual	1
-	Utility CD	1
1750000348	CPU cooler for AIMB-552G2-00A1E	1
1960017368T000	Passive heatsink for AIMB-552G2-S0A1E	1

## Bracket View



AIMB-552G2-00A1E  
AIMB-552G2-S0A1E

## Optional Accessories

Part Number	Description
1700008461	USB cable with four ports, 30.5cm
1700002204	USB cable with dual ports, 27cm
1700003195	USB cable with dual ports, 17.5cm
1700000821	DVI cables

## Embedded OS

OS	Part No.	Description
Win XPE	2070004038	XPE FP2007 AIMB-552 V3.1.ENG

