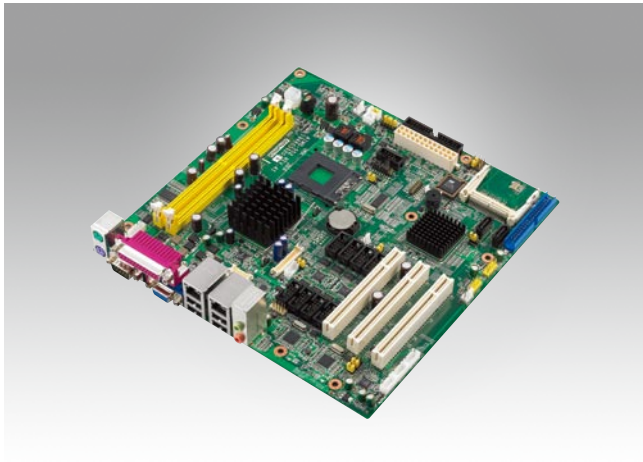


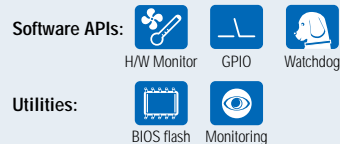
AIMB-552

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

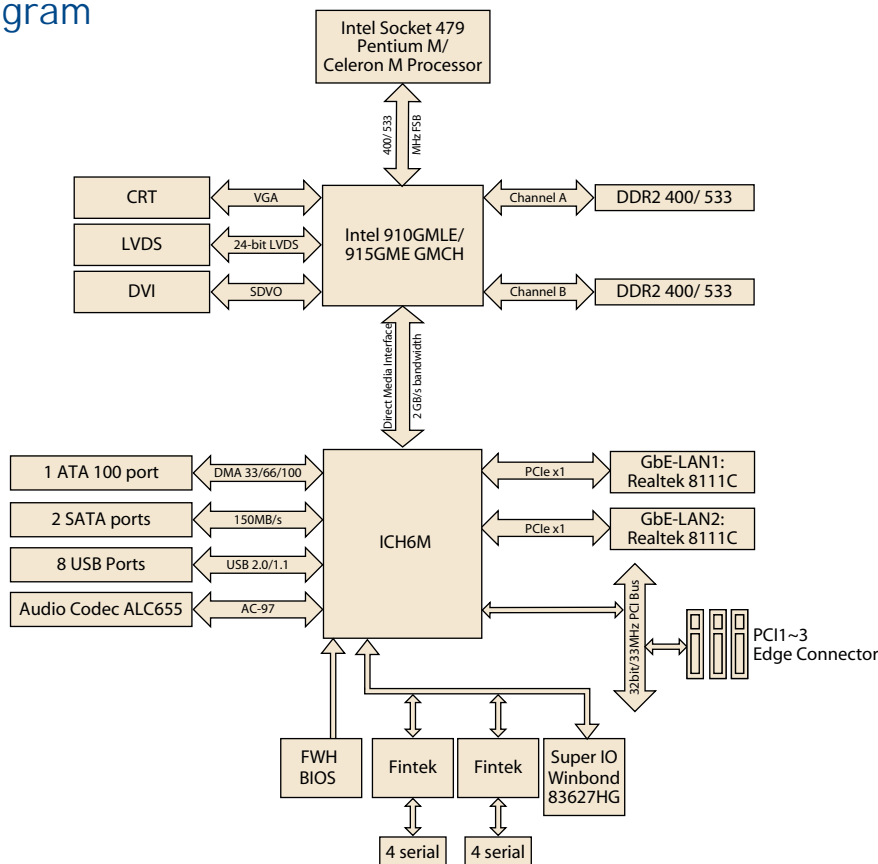


Specifications

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

Bracket View



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

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

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

