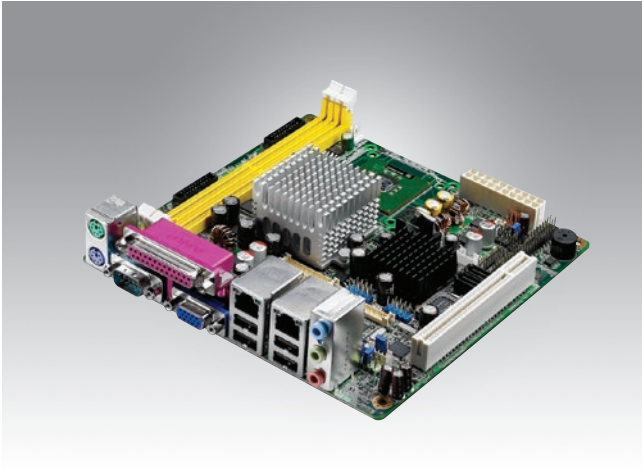


AIMB-252

Intel® Pentium® M/Celeron® M Mini-ITX
with Dual LVDS, 5 COM, and Dual LAN



Features

- Supports Intel® socket 478 Pentium® M/Celeron® M CPU
- Intel 910GML/915GME and ICH6M
- Two DIMM sockets support up to 2 GB DDR2 400/533 SDRAM
- Supports Dual LVDS Display (optional)
- Supports Dual GbE LAN
- Five serial ports
- Two SATA, eight USB 2.0 ports

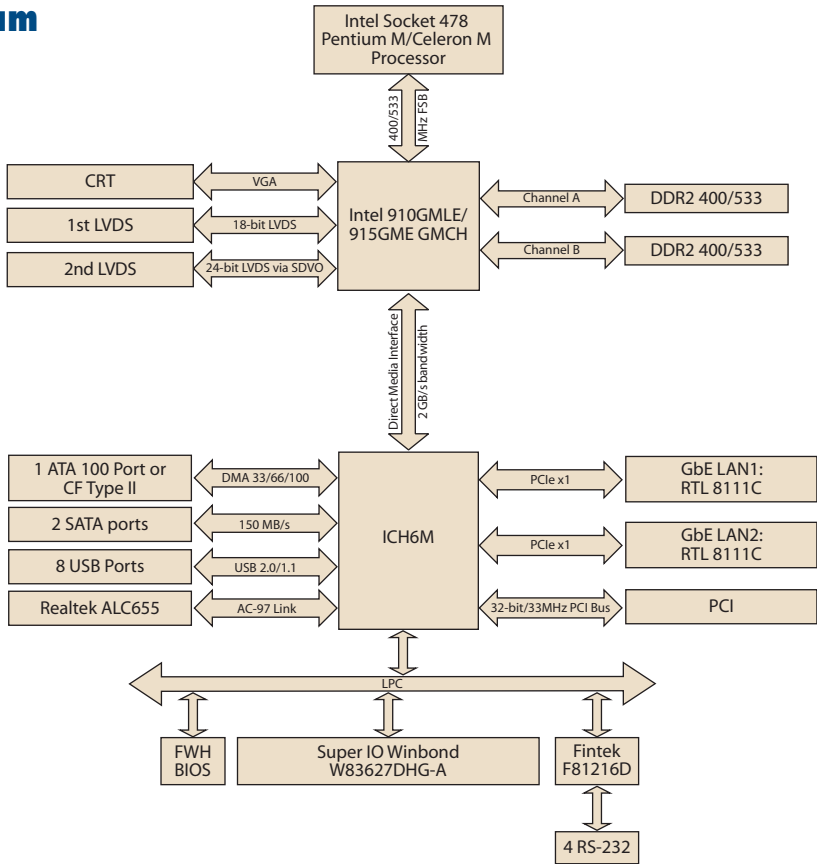


Specifications

Processor System	CPU (130/90 nm, µFC-PGA 478)	Intel Pentium M	Intel Celeron M	Intel ULV Celeron M	Intel ULV Celeron M
	Max. Speed	760 2.0 GHz	370 1.5 GHz	600 MHz on board	1 GHz on board
	Front Side Bus	400/533 MHz	400 MHz	400 MHz	400 MHz
	L2 Cache	2 MB	1 MB	512 KB	0 KB
	Chipset	Intel 910GML/915GME + ICH6M			
	BIOS	Award 4 Mbit, FWH			
	PCI	32-bit/33 MHz, 1 slot			
Expansion Slot	Mini-PCI	-			
	PCIe	-			
	Technology	Dual channel DDR2 400/533 MHz			
Memory	Max. Capacity	2 GB			
	Socket	2 x 240-pin DIMM			
	Controller	Intel 910GML/915GME GMCH integrated Graphics Media Accelerator 900			
Graphics	VRAM	Intel DVMT 3.0 supports up to 128 MB video memory			
	1st LVDS	Single channel 18-bit/Dual channel 36-bit LVDS			
	2nd LVDS (optional)	Single channel 18/24-bit/Dual channel 36/48-bit LVDS, via Chronitel 7308B SDVO transmitter			
	DVI	None			
	Dual Display	CRT + LVDS, LVDS + LVDS			
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	EIDE (Ultra DMA 100)			
	Channel	1			
SSD	CompactFlash	Supports CompactFlash Type I/II			
Rear I/O	VGA	1			
	Ethernet	1 (for VG version); 2 (for G2 version)			
	USB	4 (USB 2.0 compliant)			
	Audio	3 (Mic-in, Line-out, Line-in)			
	Serial	1 (RS-232/422/485)			
	Parallel	1			
	PS/2	2 (1 x keyboard and 1 x mouse)			
Internal Connector	LVDS & Inverter	1			
	USB	4 (USB 2.0 compliant)			
	Serial	4 (RS-232)			
	IDE	1			
	SATA	2			
	CompactFlash	1			
	IrDA	-			
Watchdog Timer	DIO	16-bit GPIO			
	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Power Requirement	Power On	Intel 915GME and Pentium M 760 2.0 GHz FSB 533 MHz, 2 GB DDR2 SDRAM			
		+5 V 2.61 A	+3.3 V 0.71 A	+12 V 1.93 A	+5 VSB 0.59 A
Environment	Operating	Non-Operating			
	Temperature	0 ~ 60° C (32 ~ 140° F)		-20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")			

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

Board Diagram



Ordering Information

Part Number	CPU	Chipset	DDR2	GbE	COM	LVDS
AIMB-252VG-M0A1E	ULV Celeron M 600 MHz	910GML	400	1	5	1
AIMB-252VG-S0A1E	ULV Celeron M 1 GHz	910GML	400	1	5	1
AIMB-252G2-00A1E	-	915GME	400/533	2	5	1

Riser Card

Part Number	Description
AIMB-RP30P-03A1E	2U riser card with 3 PCI slot expansion

Bracket View



AIMB-252VG-M0A1E
AIMB-252VG-S0A1E



AIMB-252G2-00A1E

Packing List

Description	Quantity
AIMB-252 SBC	x 1
IDE HDD cable (40-pin)	x 1
SATA HDD cable	x 2
SATA power cable	x 2
Serial port cable 1-to-2	x 2
CPU cooler	x 1
I/O port bracket	x 1
Startup manual	x 1
Driver CD	x 1

Accessories

Part Number	Description
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700002314	USB cable with four ports, 30.5 cm