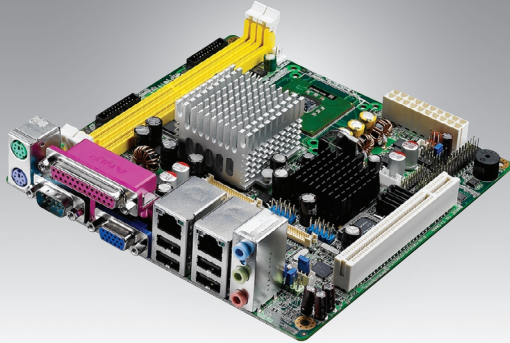


AIMB-252

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

NEW



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 (option)
- Supports Dual GbE LAN
- Five serial ports
- Two SATA, eight USB 2.0 ports

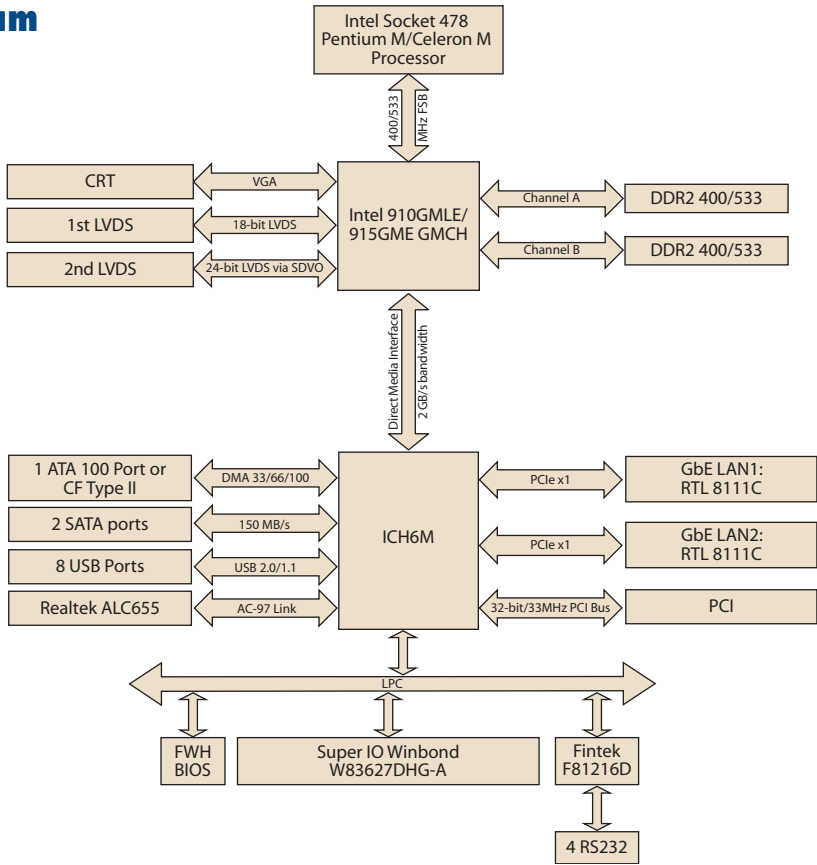


Specifications

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	2.0 GHz	1.5 GHz	600 MHz	1 GHz
	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			
	Expansion Slot	PCI	32-bit/33 MHz, 1 slot		
Mini-PCI		-			
PCIe		-			
Memory	Technology	Dual Channel DDR2 400/533 SDRAM			
	Max. Capacity	2 GB			
	Socket	240-pin DIMM x 2			
Graphics	Controller	Intel 910GML/915GME GMCH integrated Graphics Media Accelerator 900			
	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	Single channel 18/24-bit/Dual channel 36/48-bit LVDS, via Chronitel 7308B SDVO transmitter			
	DVI	None			
	Dual Display	VGA + LVDS, LVDS + LVDS			
Ethernet	Interface	10/100/1000Base -T			
	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	Compact Flash	Supports compact flash type I/II			
Rear I/O	VGA	1			
	Ethernet	1 (for VG version); 2 (for G2 version)			
	USB	4 (USB 2.0 compliant)			
	Audio	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	2		
USB		4 (USB 2.0 compliant)			
Serial		4 (RS-232)			
IDE		1			
SATA		2			
Compact Flash		1			
IrDA		-			
DIO		16-bit GPIO			
Watchdog Timer	Output	Interrupt, system reset			
	Interval	Programmable 1 ~ 255 sec/ min			
Power Requirement	Typical	Intel 915GME and Pentium M 760 2.0 GHz FSB 533 MHz, 2 GB DDR2 SDRAM			
		+5 V	+3.3 V	+12 V	+5 VSB
		2.61 A	0.71 A	1.93 A	0.59 A
Environment	Operating	Temperature			
	Temperature	0 ~ 60° C (32 ~ 140° 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	910GMLE	400	1	5	Single
AIMB-252VG-S0A1E	ULV Celeron M 1 GHz	910GMLE	400	1	5	Single
AIMB-252G2-00A1E	socket type	915GME	400/533	2	5	Single
AIMB-252G2-M0A1E	ULV Celeron M 600 MHz	910GMLE	400	2	5	Dual

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
AIMB-252G2-M0A1E

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