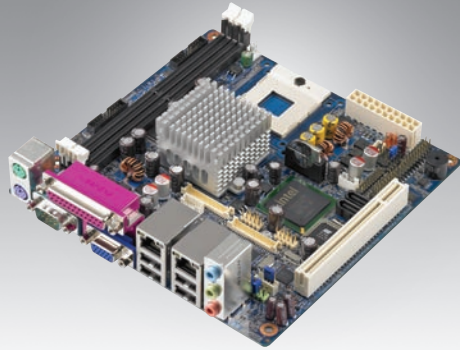


AIMB-252

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

NEW



Features

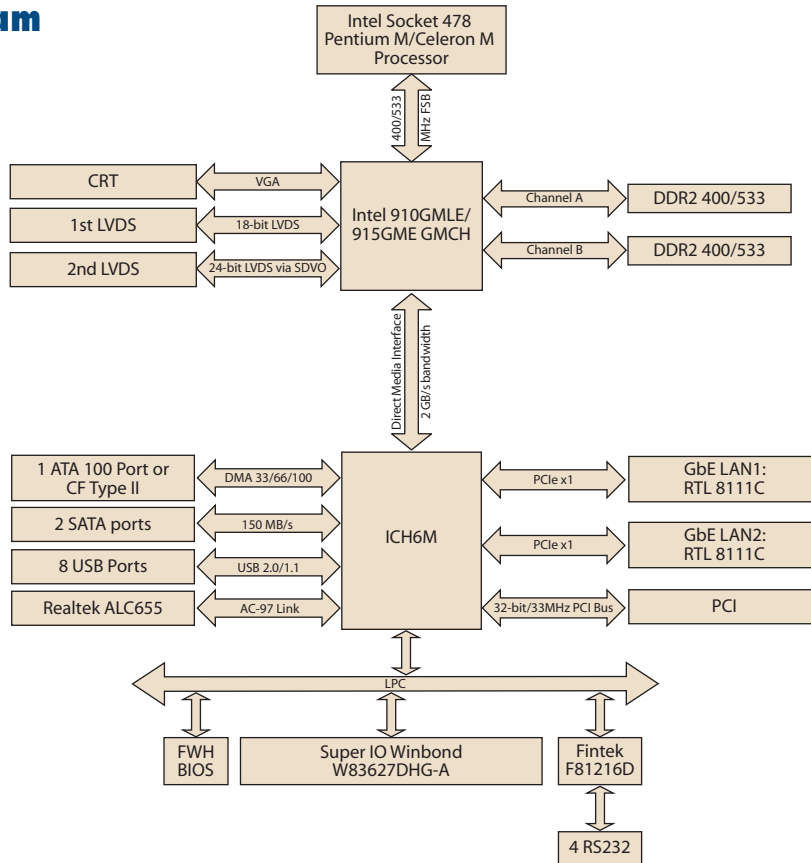
- Supports Intel® socket 478 Pentium® M/Celeron® M CPU
- Intel 910GML/915GME and ICH6M
- Two DIMM sockets support up to 2 GB DDR2 400/533 SDRAM
- Supports Dual LVDS Display (option)
- Supports Dual GbE LAN
- Five serial ports
- Two SATA, eight USB 2.0 ports

Specifications

Processor System	CPU (130/90 nm, µFC-PGA 478)	Intel Pentium M	Intel Celeron M	
	Max. Speed	2.0 GHz	1.5 GHz	
	Front Side Bus	400/533 MHz	400 MHz	
	L2 Cache	2 MB	1 MB	
	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
		2.61 A	0.71 A	1.93 A
Environment	Operating			
	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	Celeron M 600	910GML	400	1	5	Single
AIMB-252G2-00A1E	socket type	915GME	400/533	2	5	Single
AIMB-252G2-M0A1E	Celeron M 600	910GML	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-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 four ports, 17.5 cm
1700002204	USB cable with four ports, 27 cm
1700002314	USB cable with four ports, 30.5 cm