

AIMB-256

Intel® Core 2 Duo Mini ITX Motherboard with 4 COM and Dual LAN

NEW



Features

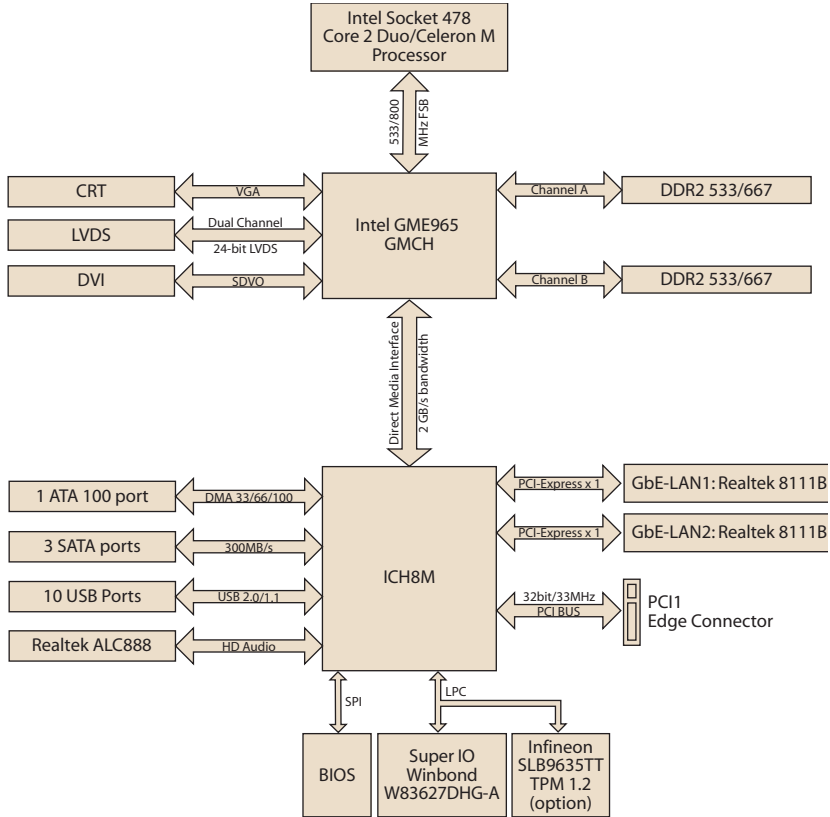
- Supports Intel uFC-PGA 478 Core 2 Duo/ Celeron M mobile processor- Intel GME965 and ICH8M
- Two 200-pin SODIMM sockets support up to 4 GB Dual Channel DDR2 533/667 SDRAM
- Supports Dual Display, VGA, LVDS, and DVI
- Supports 4 serial ports and 3 SATA ports
- Built in with dual Gigabit Ethernet
- One Compact Flash type I/II support
- Onboard TPM 1.2 support (option)



Specifications

Processor System	CPU (65 nm uFC-PGA 478)	Intel Core 2 Duo	Intel Celeron M		
	Max. Speed	2.2 GHz	2.0 GHz		
	Front Side Bus	800 MHz	533 MHz		
	L2 Cache	2 x 2 MB	1 MB		
	Chipset	Intel GME965 + ICH8M			
	BIOS	AMI 16 Mb SPI			
	Expansion Slot	PCI	32-bit/33 MHz, 1 slot		
Mini-PCI		-			
PCIe		-			
Memory	Technology	DDR2 533/667 SDRAM			
	Max. Capacity	4 GB			
	Socket	200-pin SODIMM x 2			
Graphics	Controller	Intel GME965 GMCH integrated Graphics Media Accelerator X3100			
	VRAM	DVMT 4.0 supports shared system memory up to 384 MB video memory			
	LVDS	Single channel 18/24-bit Dual channel 36/48-bit LVDS			
	TV-Out	-			
	DVI	Yes, via Chronitel CH7307C SDVO transmitter			
Ethernet	Dual Display	CRT+LVDS, CRT+DVI, LVDS+DVI			
	Interface	10/100/1000Base-T			
	Controller	GbE LAN1: Realtek RTL8111B; GbE LAN2: Realtek RTL8111B			
SATA	Connector	RJ-45 x 2			
	Max Data Transfer Rate	300 MB/s			
EIDE	Channel	3			
	Mode	EIDE (Ultra DMA 100)			
SSD	Channel	1			
	Compact Flash	Supports compact flash type I/II			
Rear I/O	VGA	1			
	DVI	1			
	Ethernet	2			
	USB	4 (USB 2.0 compliant)			
	Serial	2 (2 x RS232, supply 5V & 12V)			
	PS/2	2 (1 x K/B and 1 x Mouse)			
	Internal Connector	LVDS	1		
USB		6 (USB 2.0 compliant)			
Serial		2 (2 x RS232, supply 5V & 12V)			
IDE		1			
SATA		3			
Audio		Audio front panel, CD-in, S/PDIF Out			
Compact Flash		1			
Parallel		-			
IrDA		-			
FDD		-			
DIO		8-bit General Purpose I/O for DI and DO			
Watchdog Timer		Output	Interrupt, system reset		
		Interval	Programmable 1 ~ 255 sec		
Power Requirement	Typical	Core 2 Duo T7300 2.0 GHz FSB 800 MHz, 2 GB DDR2 SDRAM			
		+5 V	+3.3 V	+12 V	+5 VSB
		2.75 A	1.76 A	4.13 A	1.42 A
		Operating			
Environment	Temperature	0 ~ 60° C (32 ~ 140° F)			
	Dimensions	170 mm x 170 mm (6.69" x 6.69")			

Board Diagram



Ordering Information

Part Number	CPU	GbE	DVI	SATA
AIMB-256G2-00A1E	Socket	2	1	3
AIMB-256G2-S1A1E	C2D 1.06 GHz	2	1	3

Riser Card

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

Bracket View



AIMB-256G2-00A1E
AIMB-256G2-S1A1E

Packing List

Description	Quantity
AIMB-256 SBC	x 1
IDE HDD cable (40 pin)	x 1
SATA HDD Data Cable	x 2
SATA HDD Power Cable	x 2
Serial cables	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