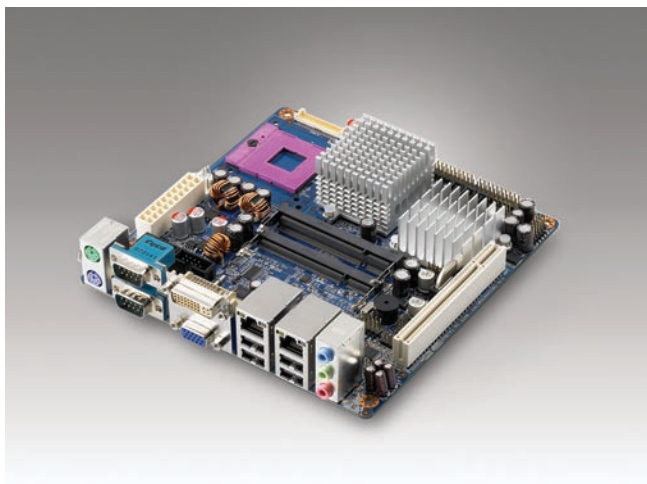


AIMB-256

**Intel® Core™ 2 Duo Mini-ITX with
VGA/DVI/LVDS, 4 COM and Dual LAN**



Features

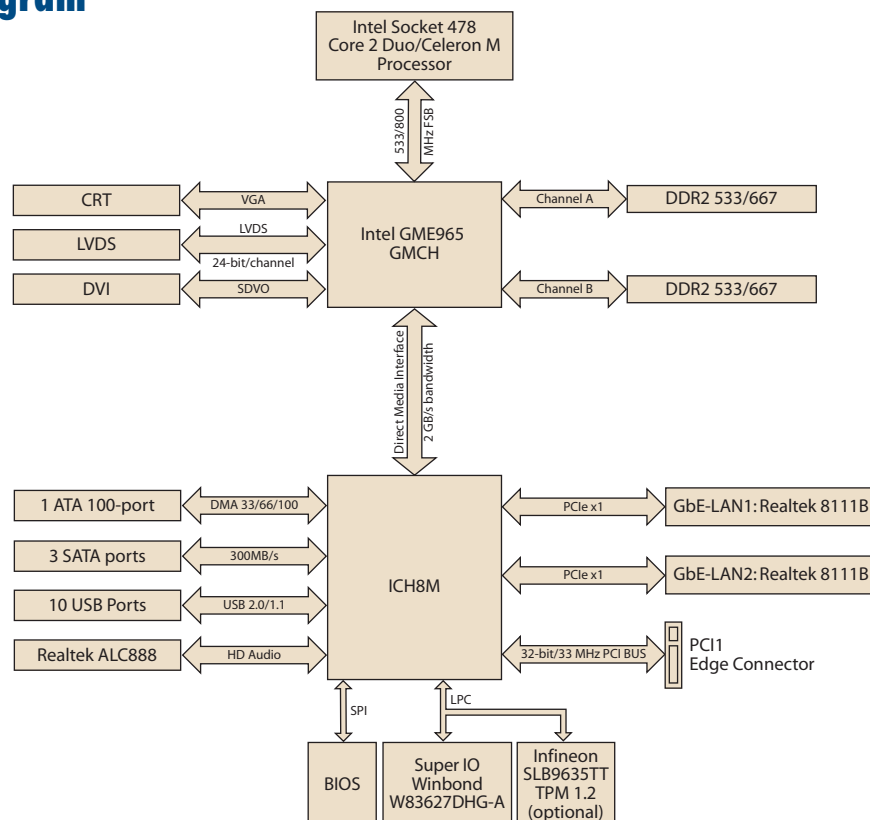
- Supports Intel® uFC-PGA 478 Core™ 2 Duo/Celeron® M mobile processor- Intel GME965 and ICH8M
- Two 200-pin SODIMM sockets support up to 4 GB dual channel DDR2 533/667 SDRAM
- Supports dual display for VGA, LVDS, and DVI
- Supports 4 serial ports and 3 SATA ports
- Built-in dual Gigabit Ethernet
- One CompactFlash Type I/II support
- Onboard TPM 1.2 support (optional)



Specifications

Processor System	CPU (65 nm uFC-PGA 478, Socket P)	Intel Core 2 Duo	Intel Celeron M	Intel ULV Core 2 Duo
	Max. Speed	T7500 2.2 GHz	550 2.0 GHz	U7500 1.06 GHz on board
	Front Side Bus	800 MHz	533 MHz	533 MHz
	L2 Cache	2 x 2 MB	1 MB	1 MB
	Chipset	Intel GME965 + ICH8M		
	BIOS	AMI 16 Mbit, SPI		
Expansion Slot	PCI	32-bit/33 MHz, 1 slot		
	Mini-PCI	-		
	PCIe	-		
Memory	Technology	Dual channel DDR2 533/667 MHz		
	Max. Capacity	4 GB		
	Socket	2 x 200-pin SODIMM		
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		
	Dual Display	CRT+LVDS, CRT+DVI, LVDS+DVI		
Ethernet	Interface	10/100/1000 Mbps		
	Controller	GbE LAN1: Realtek RTL8111B; GbE LAN2: Realtek RTL8111B		
	Connector	RJ-45 x 2		
SATA	Max Data Transfer Rate	300 MB/s		
	Channel	3		
EIDE	Mode	EIDE (Ultra DMA 100)		
	Channel	1		
SSD	CompactFlash	Supports CompactFlash Type I/II		
Rear I/O	VGA	1		
	DVI	1		
	Ethernet	2		
	USB	4 (USB 2.0 compliant)		
	Audio	3 (Mic-in, Line-out, Line-in)		
	Serial	2 (2 x RS-232, supply 5 V & 12 V)		
	PS/2	2 (1 x keyboard and 1 x mouse)		
	LVDS	1		
Internal Connector	USB	6 (USB 2.0 compliant)		
	Serial	2 (2 x RS-232, supply 5 V & 12 V)		
	IDE	1		
	SATA	3		
	CompactFlash	1		
	Parallel	-		
	IrDA	-		
	FDD	-		
	DIO	8-bit General Purpose I/O for DI and DO		
	Watchdog Timer	System reset		
Power Requirement	Interval	Programmable 1 ~ 255 sec/min		
	Power On	Core 2 Duo T7300 2.0 GHz FSB 800 MHz, 2 GB DDR2 SDRAM		
		+5 V 2.75 A +3.3 V 1.76 A +12 V 4.13 A +5 VSB 1.42 A		
Environment	Operating	0 ~ 60° C (32 ~ 140° F)		
	Non-Operating	-20 ~ 70° C (-4 ~ 158° F)		
Physical Characteristics	Dimensions	170 mm x 170 mm (6.69" x 6.69")		

Board Diagram



Ordering Information

Part Number	CPU	GbE	DVI	SATA
AIMB-256G2-00A1E	-	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 two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700002314	USB cable with four ports, 30.5 cm