

AIMB-556

Socket 478 Core™ 2 Duo/Celeron® M Processor-based MicroATX with DDR2/4 COM/Dual LAN

NEW



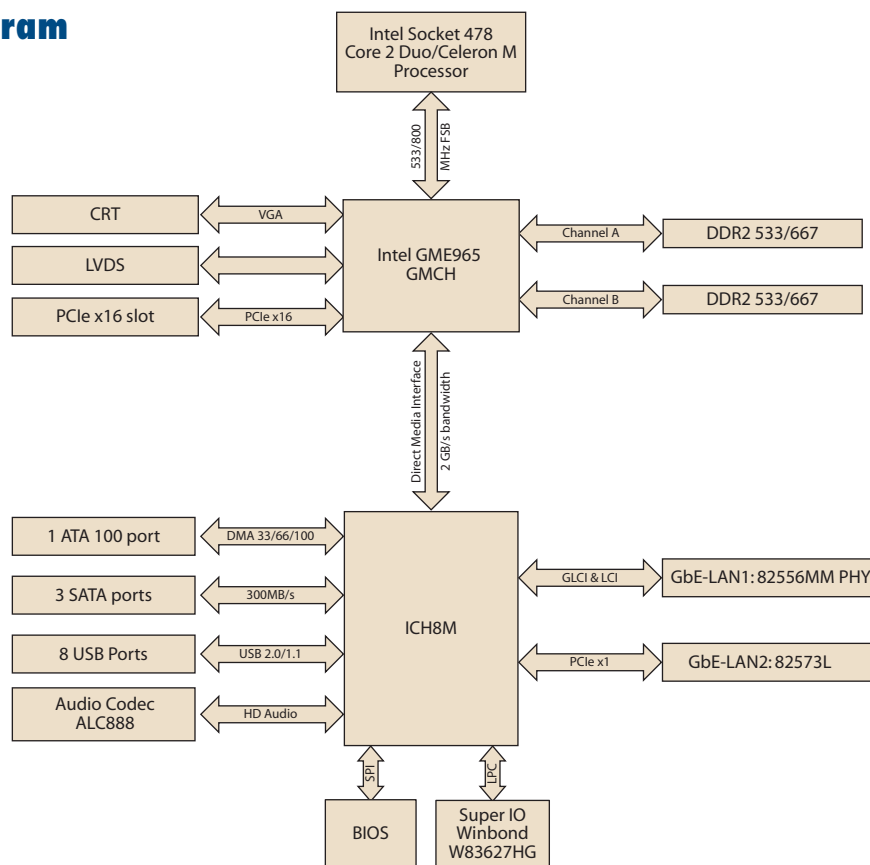
Features

- Intel® GME965 with ICH8M chipset 533/800 MHz FSB
- Supports dual channel DDR2 533/667 SDRAM up to 4 GB
- Supports dual 10/100/1000Base-T Ethernet via dedicated PCIe x1 bus
- Dual display for supporting both VGA and LVDS
- Chipset integrated VGA
- PCIe x16 interface for VGA
- Supports 4 COM Port and GPIO

Specifications

Processor System	CPU (65nm)	Intel® Core™ 2 Duo	Intel® Celeron M	
	Max. Speed	2.2 GHz	2.0 GHz	
	L2 Cache	4 MB	1 MB	
	Chipset	Intel GME965 + ICH8M		
	BIOS	AMI 16 Mbit SPI		
	Front Side Bus	533 / 800 MHz		
Expansion Slot	PCIe x16	4.0 GB/s per direction, 1 slot		
	PCIe x4	1.0 GB/s per direction, 1 slot		
	PCI	32-bit/33 MHz, 2 slots		
Memory	Technology	Dual channel DDR2 533/667 SDRAM		
	Max. Capacity	4 GB		
	Socket	240-pin DIMM x 2		
Graphics	Embedded	Intel GMA X3100 sharing 384 MB system memory		
	LVDS	Single channel 24-bit/dual channel 48-bit LVDS		
	TV-Out	Supports both S-video and composite video (TV-out function is not supported during POST stage)		
	Dual Display	VGA + LVDS		
Ethernet	Interface	10/100/1000 Base-T		
	Controller	GbE LAN1: Intel 82566MM, GbE LAN2: Intel 82573L		
	Connector	RJ-45 x 2		
SATA	Max. Data Transfer Rate	300 MB/s		
	Channel	3		
EIDE	Mode	ATA 100/66/33		
	Channel	1 (Max. two devices)		
I/O Interface	VGA	1		
	LAN	2		
	USB	8 (USB 2.0, 480Mbps; 4 external ports and 4 onboard pin headers)		
	Audio	2 (Line-Out and Mic-In)		
	Serial	4 (3 of RS-232, 1 of RS-232/422/485).		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	GPIO	8 bit GPIO		
	Watchdog Timer	Output	System reset	
Interval		Programmable 1 ~ 255 sec/ min		
Power Requirement	Typical	Intel Core 2 Duo 2.13 GHz 800 MHz (FSB), 2 x 1 GB DDR2 667 SDRAM		
		+5 V	+3.3 V	+12 V
		2.5 A	2.8 A	1.5 A
Environment	Temperature	Operating	Non-Operating	
		0 ~ 60° C (32 ~ 140° F), depends on CPU's speed and cooler solution	-20 ~ 70° C (-4~150° F)	
Physical Characteristics	Dimensions (W x D)	244 mm x 244 mm (9.6" x 9.6")		

Board Diagram



Ordering Information

Part Number	VGA	GbE LAN
AIMB-556G2-00A1E	Yes	Dual

*AIMB-556 cannot be installed in ACP-2000MB chassis

Riser Card

Part Number	Description
AIMB-R430P-03A1E	2U riser card with 3 PCI slot expansion
AIMB-R4301-03A1E	2U riser card with 3 PCIe x 1 slot expansion
AIMB-R4104-01A1E	1U riser card with 1 PCIe x 4 slot expansion
AIMB-R431F-21A1E	2U riser card for 1 PCIe x 16 and 2 PCIe x 1 expansion
AIMB-R43PF-21A1E	2U riser card for 1 PCIe x 16 and 2 PCI expansion

Bracket View



AIMB-556G2-00A1E

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	IDE HDD cable	x 1
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701092300	Dual COM port cable kit	x 1
9689000068	Jumper pack	x 1
1960012533T000	I/O port bracket	x 1
-	Startup manual	x 1
-	Utility CD	x 1
1750000348	CPU cooler (for 1U and 2U+ chassis)	x 1

Accessories

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