

AIMB-542

**LGA 775 Pentium® 4/Celeron® D
Processor-based microATX with
AGP/Single FE LAN**

NEW



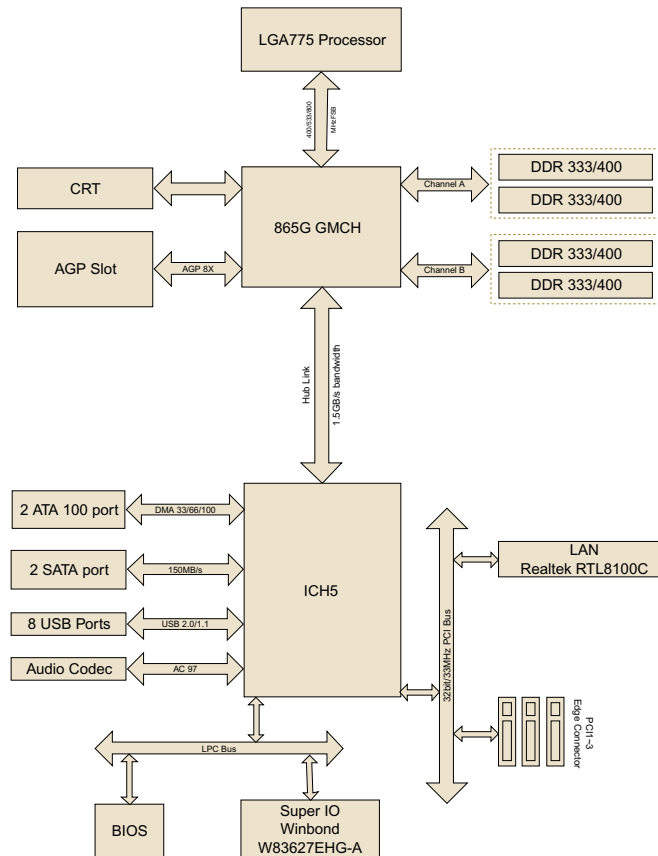
Features

- Intel® 865G chipset 533/800 MHz FSB
- Supports dual channel DDR 333/400 SDRAM
- Chipset integrated VGA
- Supports up to 2 Serial ATA devices
- Onboard AGP 8X slot
- Supports 10/100Base-T Ethernet

Specifications

Processor System	CPU	Intel Pentium® 4 (90 nm)	Intel Celeron® D (90 nm)				
	Max. Speed	3.8 GHz (800 FSB)	3.06 GHz				
	L2 Cache	1/ 2 MB	256 KB				
	Chipset	Intel 865G + ICH5					
	BIOS	AMI 4 Mbit FWH					
	Front Side Bus	533/800 MHz					
Expansion Slot	AGP	AGP 8X					
	PCI	32-bit/33 MHz, 3 slots					
	ISA	None					
Memory	Technology	dual channel DDR 333/400 SDRAM					
	Max. Capacity	4 GB					
	Socket	184-pin DIMM x 4					
Graphic	Controller	Chipset integrated VGA controller					
	VRAM	Dynamically shared system memory up to 64 MB					
Ethernet	Interface	10/100Base-T					
	Controller	Reaktek RTL 8100C					
	Connector	RJ-45 x 1					
SATA	Max. Data Transfer Rate	150 MB/s					
	Channel	2					
EIDE	Mode	ATA 100/66/33					
	Channel	2 (Max. 4 devices)					
I/O Interface	VGA	1					
	USB	8 (USB 2.0, 480Mbps; 4 external ports and 4 onboard pin headers)					
	Audio	Realtek ALC655 6 CH Audio Codec for MIC-In, LINE-In, LINE-Out, CD Audio-In, S/PDIF					
	Serial	1					
	Parallel	1 (SPP/EPP/ECP)					
	FDD	1					
	PS/2	2 (Keyboard and Mouse)					
Watchdog Timer		None					
Power Requirement	Typical	Pentium 4 3.4 GHz, 1 GB SRAM, 80 GB HDD					
		+12 V	+5 V	+3.3 V	5 Vsb	-5 V	-12 V
		9.95 A	1.51 A	5.18 A	282 mA	9 mA	18 mA
Environment		Operating			Non-Operating		
	Temperature	0 ~ 60 °C (32 ~ 140 °F), depends on CPU's speed and cooler solution			-20 ~ 70 °C (-4 ~ 158 °F)		
Physical Characteristics	Dimensions (W x D)	244 x 244 mm (9.6" x 9.6")					

Block Diagram



Ordering Information

Part Number	Embedded VGA	Fast Ethernet	AGP
AIMB-542VE-00A1E	Yes	Single	Yes

Packing List

Description	Quantity
FDD cable	X 1
IDE HDD cable	X 1
Serial ATA HDD data cable	X 2
Serial ATA HDD power cable	X 2
I/O port bracket	X 1
Startup manual	X 1
Utility CD	X 1

Accessories

Part Number	Description
1750000334	LGA 775 CPU cooler (115W)