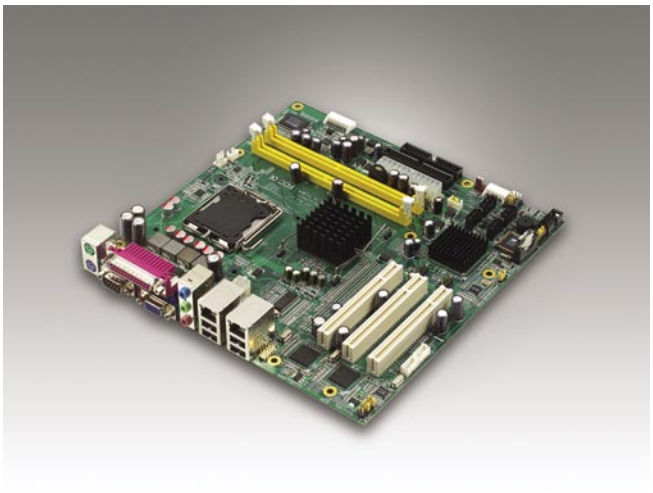
AIMB-560

LGA775 Pentium® 4/Celeron® D Processor-based MicroATX with DDR2/Dual GbE LAN



Features

- Intel® 915GV with ICH6 chipset 800 MHz FSB
- Supports dual channel DDR2 400/533 SDRAM up to 2 GB
- Four SATA ports
- Supports dual 10/100/1000Base-T Ethernet via dedicated PCIe x1 bus
- Chipset integrated VGA
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup
- Compatible with Advantech's 2U, 4U, 5U and 7U chassis

RoHS COMPLIANT 2002/95/EC CE FCC

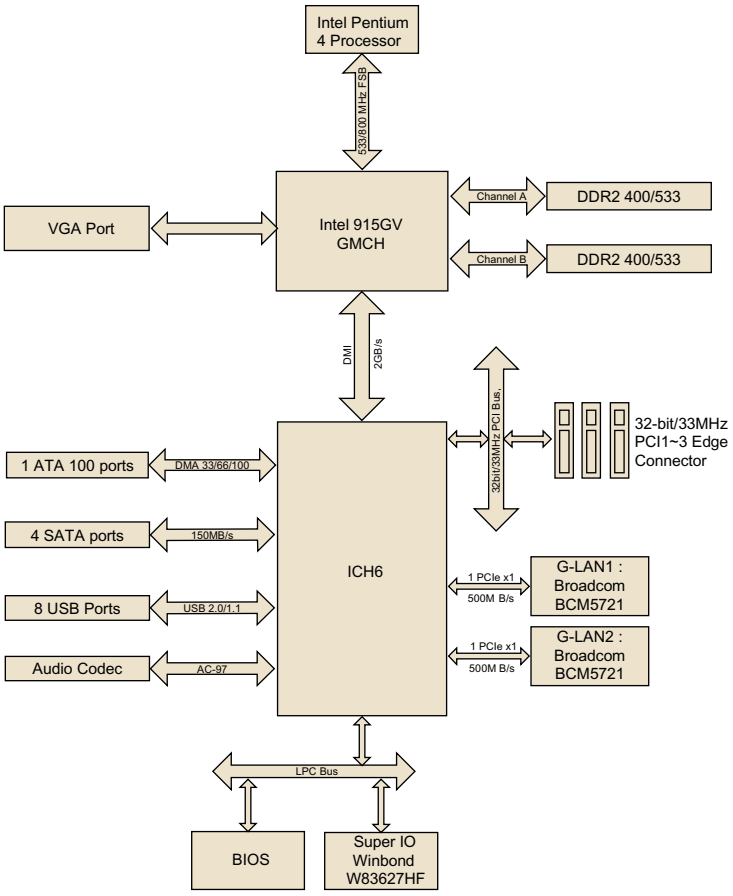
Specifications

Processor System	CPU (90nm)	Intel® Pentium® 4		Intel® Celeron® D		
	Max. Speed	3.8 GHz		3.06 GHz		
	L2 Cache	1024 KB/2048 KB		256 KB		
	Chipset	Intel 915GV + ICH6				
	BIOS	Award™ 4 Mb FWH				
	Front Side Bus	533/800 MHz				
Expansion Slot	PCI	32-bit/33 MHz, 3 slots				
Memory	Technology	Dual channel DDR2 400/533 SDRAM				
	Max. Capacity	2 GB				
	Socket	240-pin DIMM x 2				
Graphic	Controller	Chipset integrated VGA controller (No PCIe x16 slot)				
	VRAM	Dynamically shared system memory up to 128 MB				
Ethernet	Interface	10/100/1000 Base-T				
	Controller	Broadcom® BCM5721 (PCIe x1) x 2				
	Connector	RJ-45 x 2				
SATA	Max. Data Transfer Rate	150 MB/s				
	Channel	4				
EIDE	Mode	ATA 100/66/33				
	Channel	1 (Max. two devices)				
I/O Interface	VGA	1				
	LAN	1 (for VG version); 2 (for G2 vesion)				
	USB	8 (USB 2.0, 480 Mbps; 4 external ports and 4 onboard pin headers)				
	Audio	2 (Line-Out and Mic-In)				
	Serial	2 (RS-232, 1 port and 1 onboard pin header)				
	Parallel	1 (SPP/EPP/ECP)				
	FDD	1				
	PS/2	2 (keyboard and mouse)				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1 ~ 255 sec.				
Power Requirement	Typical	Pentium 4, 3.4 GHz (800 MHz FSB), 2 x 512 MB, 2 x 256 MB DDR2 533 SDRAM				
		+5 V	-5 V	+12 V	-12 V	+5 VSB
		6.64 A	0.01 A	12.59 A	0.01 A	0.3 A
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 mm x 244 mm (9.6" x 9.6")				

All product specifications are subject to change without notice

Last updated : 1-Mar-2007

Block Diagram



Ordering Information

Part Number	Gigabit LAN	VGA
AIMB-560VG-00A1E	Single	Yes
AIMB-560G2-00A1E	Dual	Yes

*AIMB-560 cannot be installed in ACP-2000MB chassis
**We strongly suggest using only Advantech's certified LGA 775 CPU coolers to ensure board reliability under harsh environments

Bracket View

AIMB-560VG-00A1E

AIMB-560G2-00A1E

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
1701090401	COM port cable kit	x 1
9689000068	Jumper pack	x 1
1962015680	I/O port bracket	x 1
-	Startup manual	x 1
-	Utility CD	x 1

Accessories

Part Number	Description
1750000334	LGA775 CPU cooler up to 3.8 GHz (115 W), 4U, 5U and 7U chassis
1750000332	LGA775 CPU cooler up to 3.8 GHz (115 W), 2U, 4U, 5U and 7U chassis