



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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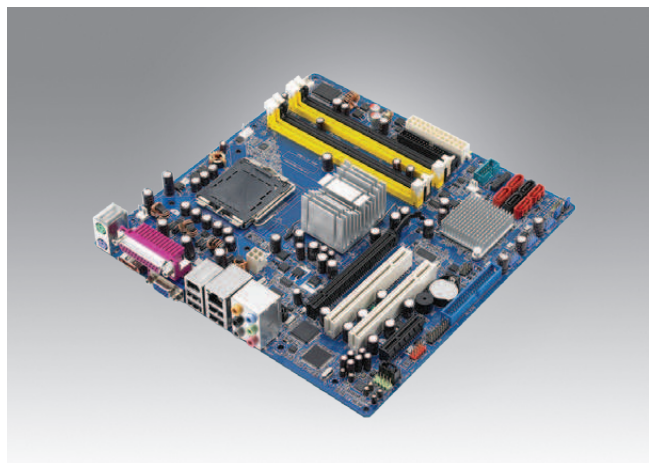
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AIMB-564

Intel® Core™2 Quad/Core™2 Duo LGA775
MicroATX with CRT, PCIe, SW RAID, and LAN



susiAccess

Features

- Intel® Q965 chipset 533/800/1066 MHz FSB
- Supports Intel® Core™ 2 Quad/Core™ 2 Duo processor
- Two 240-pin DIMMs up to 8 GB DDR2 533/667/800 MHz SDRAM
- Chipset integrated VGA sharing 256 MB system memory
- Supports SATA RAID 0, 1, 5, and 10
- Supports single 10/100/1000 Mbps Ethernet via dedicated PCIe x1 bus
- Supports SUSIAccess and Embedded Software APIs

Software APIs:



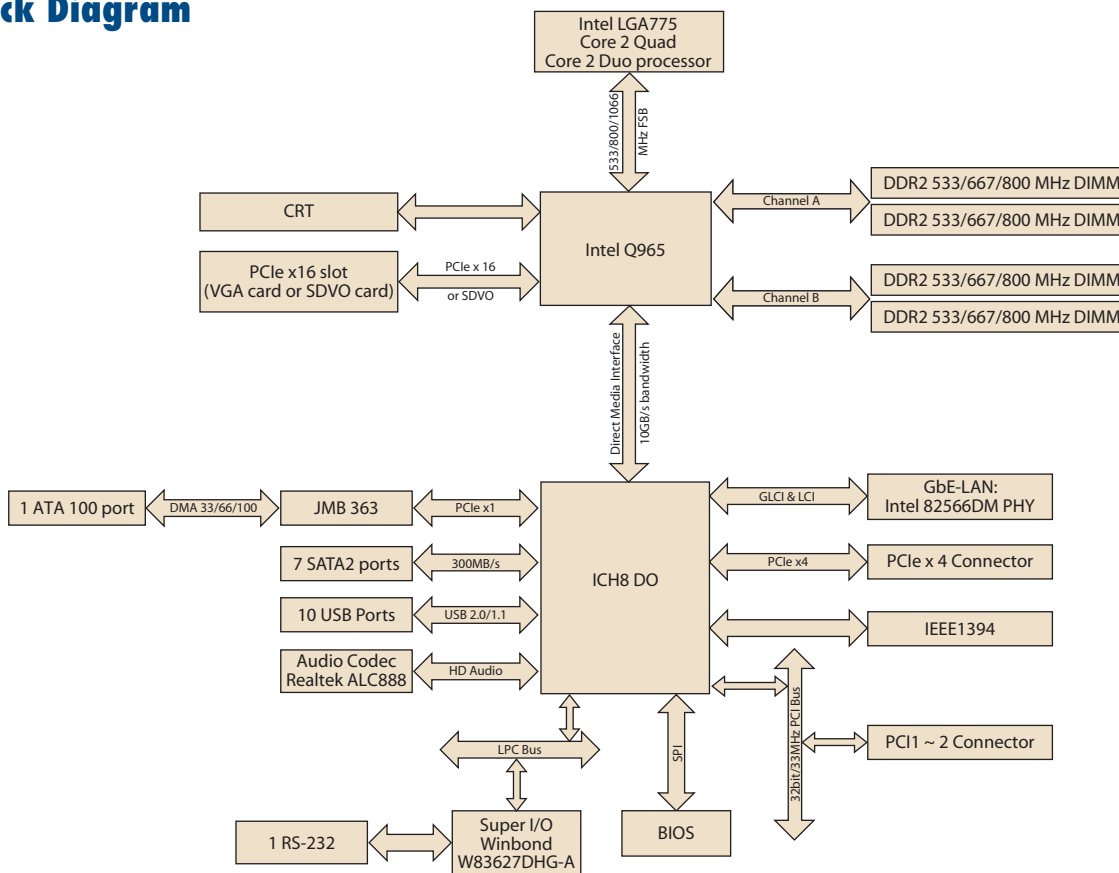
Utilities:



Specifications

	CPU (65nm/ 90nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium Dual-Core	Intel Pentium 4	Intel Celeron D	
Processor System	Max. Speed	Q6700 2.66 GHz	E7400 2.8 GHz	E2200 2.2 GHz	672 3.8 GHz	352 3.2 GHz	
	L2 Cache	8 MB	3 MB	1 MB	2 MB/1 MB	512 KB	
	Chipset	Intel Q965+ICH8 DO					
	BIOS	AMI 16 Mbit, SPI					
	Front Side Bus	533/800/1066 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 533/667/800 MHz SDRAM					
	Max. Capacity	8 GB/2 GB per DIMM					
	Socket	4 x 240-pin DIMM (Non-ECC)					
Graphics	Embedded	Intel GMA 3000 sharing 256 MB system memory					
	Add-on	PCIe x 16 slot					
Ethernet	Interface	10/100/1000 Mbps					
	Controller	GbE LAN: Intel 82566DM					
	Connector	RJ-45 x 1					
SATA	Max. Data Transfer Rate	300 MB/s (SATA 2.0)					
	Channel	7					
EIDE	Mode	ATA 100/66/33					
	Channel	1 (max. 2 devices)					
I/O Interface	CRT	1					
	USB	10 (USB 2.0)					
	Audio	8-CH HD Audio (Mic-in, Line-in, Line-out, CD-in, 6 jacks)					
	Serial	1 (RS-232)					
	Parallel	1 (SPP/EPP/ECP)					
	FDD	1					
	PS/2	2 (1 x keyboard and 1 x mouse)					
	eSATA	1					
	IEEE 1394	2 (1 on rear panel, 1 on internal connector)					
Watchdog Timer	Output	System reset					
	Interval	Programmable 1~255 sec/min					
Power Requirements	Power On	Pentium 4 3.4 GHz, 1 GB SDRAM, 80 GB HDD					
		+12 V	+5 V	+3.3 V	5 Vsb		
		3.07A	10.37A	2.83A	0.46A		
Environment	Temperature	Operating		Non-Operating			
		0 ~ 60° C (32 ~ 131° F), depends on CPU 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	CRT	GbE LAN
AIMB-564VG-00A1E	Yes	Single

*AIMB-564 cannot be installed in ACP-2000MB and 1U chassis.

**We strongly suggest using only Advantech's certified LGA 775 CPU coolers to ensure board reliability under harsh conditions.

Riser Card

Part Number	Description
AIMB-RP3PF-21A1E	2U riser card for 1 PCIe x16 and 2 PCI expansion

I/O View



AIMB-564VG-00A1E

Packing List

Description	Quantity
IDE HDD cable	1
Serial ATA HDD data cable	4
Serial ATA HDD power cable	2
I/O port bracket	1
Startup manual	1
Utility CD	1

Optional Accessories

Part Number	Description
1750000334	LGA775 CPU cooler (115 W)
1960022033T000	LGA775 CPU cooler for 2U chassis
1700006915	Power relay cable to activate ACP-4000 LED indicators
1700006916	Power relay cable to activate IPC-610H LED indicators

Embedded OS/API

OS/API	Part No.	Description
Win XPE	2070003977	XPE SP2 FP2007 AIMB-564 V3.1 ENG 792.81 MB
	2070006570	XPE FP2007 AIMB-564 V3.01 CHT
Software API	205E564010	SUSI 3.0 SW API for AIMB-564 XP