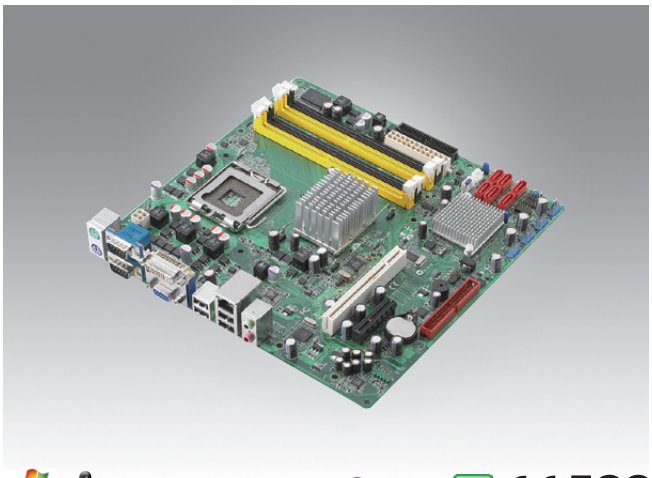
AIMB-566

Intel® Core™2 Quad/Core™2 Duo LGA775 MicroATX with CRT/DVI, 2 COM, and LAN



Features

- Intel® Q35 and ICH9 DO supporting 800/1066/1333 MHz FSB
- Supports dual core and quad core processors with 45nm processing
- Dual channel DDR2 667/800 MHz SDRAM up to 8 GB
- Supports dual display, CRT and DVI-D
- Supports SUSIAccess and Embedded Software APIs

Software APIs: H/W Monitor, Watchdog

Utilities: BIOS flash, Monitoring

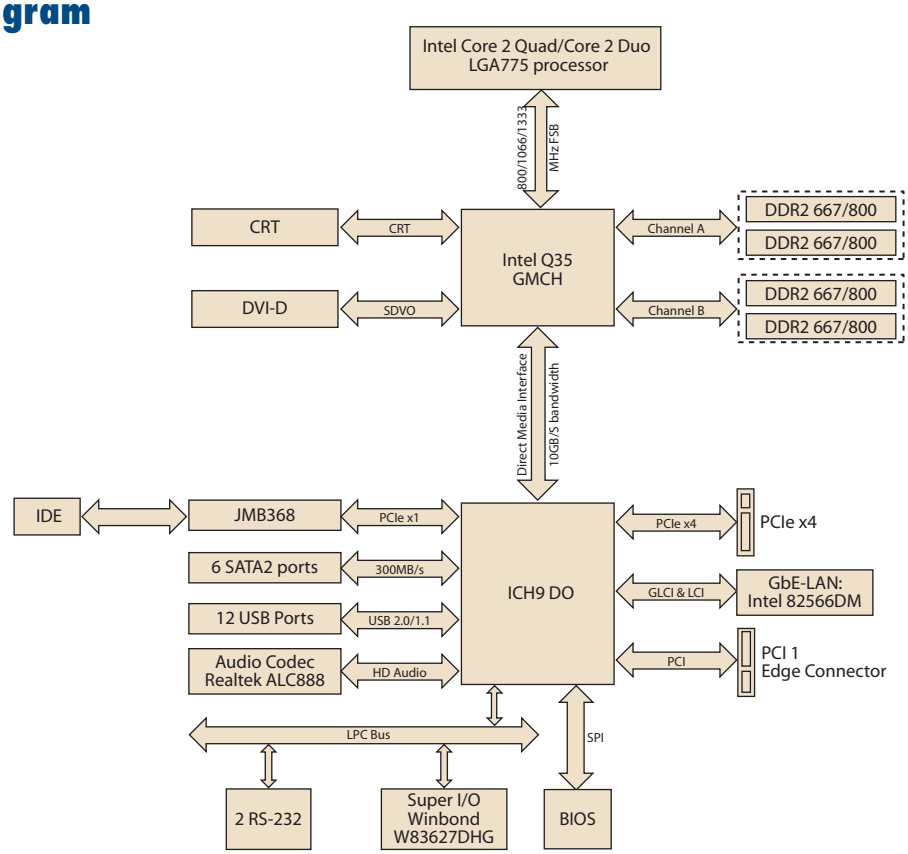
Specifications

Processor System	CPU (45/65/90nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium Dual-Core	Intel Celeron	
	Max. Speed	Q9400 2.66 GHz	E8500 3.16 GHz	E5300 2.6 GHz	440 2.0 GHz	
	L2 Cache	6 MB	6 MB	2 MB	512 KB	
	Chipset	Intel Q35 + ICH9 DO				
	BIOS	AMI 32 Mbit, SPI				
	Front Side Bus	800/1066/1333 MHz				
Expansion Slot	PCIe x4	1 GB/s per direction, 1 slot				
	PCI	32-bit/33 MHz, 1 slot				
Memory	Technology	Dual channel DDR2 667/800 MHz SDRAM				
	Max. Capacity	8 GB				
	Socket	4 x 240-pin DIMM (Non-ECC)				
Graphics	Embedded	Chipset integrated VGA controller				
	DVI	Yes, via Chrontel 7307C SDVO transmitter				
	Dual Display	CRT + DVI				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	Intel 82566DM				
	Connector	RJ-45 x 1				
SATA II	Max. Data Transfer Rate	300 MB/s				
	Channel	6				
EIDE	Mode	ATA 100/66/33				
	Channel	1 (max. 2 devices)				
I/O Interface	CRT	1				
	DVI-D	1				
	USB	12				
	Audio	2 (Mic-in, Line-out)				
	Serial	2 (RS-232)				
	FDD	1				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1~ 255 sec/min				
Power Requirements	Power On	Intel Core 2 Quad 9300 2.5 GHz, 8 GB DDR2 800 SDRAM				
		+12 V	+5 V	+3.3 V	5 Vsb	-12 V
		3.36 A	3.15 A	2.01 A	0.88 A	0.08 A
Environment		Operating		Non-Operating		
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU 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 : 13-Jun-2012

Block Diagram



Ordering Information

	CRT	DVI	GbE	COM	SATA
AIMB-566VG-00A1E	1	1	1	2	6

*We strongly suggest using only Advantech's certified LGA775 CPU coolers to ensure board reliability under harsh conditions.

Riser Card

Part Number	Description
AIMB-RP10P-01A1E	1U riser card for 1 PCI expansion
AIMB-RP30P-03A1E	2U riser card for 3 PCI expansion

I/O View

AIMB-566VG-00A1E

Packing List

Description	Quantity
IDE HDD cable	1
Floppy cable	1
Serial ATA HDD data cable	2
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
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700008461	USB cable with four ports, 30.5 cm

Embedded OS/API

OS/API	Part No.	Description
Win XPE	2070005289	XPE FP2007 AIMB-566 V3.01 ENG
	2070005290	XPE FP2007 AIMB-566 V3.01 CH
Software API	205E000021	SUSI 3.0 SW API for AIMB-566 XP