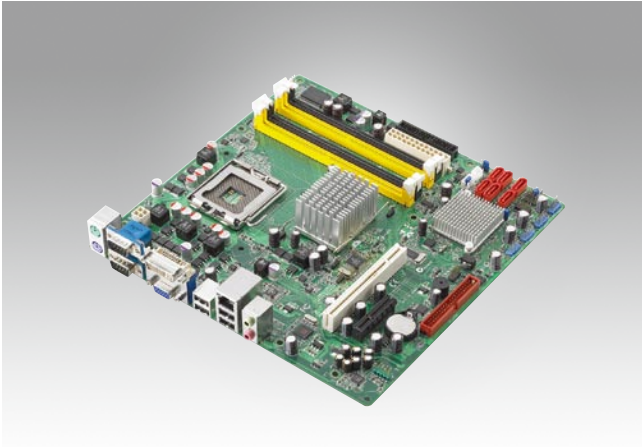


# AIMB-566

Intel® Core™2 Quad/Core™2 Duo Processor  
LGA775 MicroATX with VGA/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 SDRAM up to 8 GB
- Supports dual display, VGA and DVI-D
- Supports embedded software APIs and utilities

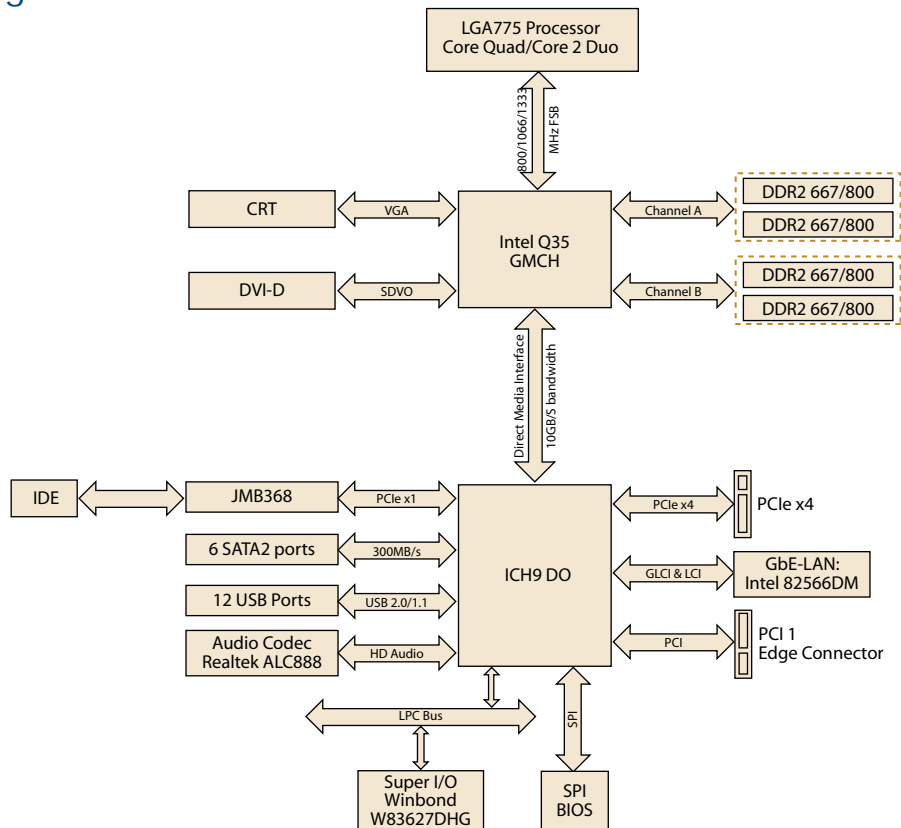
Software APIs:    
H/W Monitor Watchdog

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				
	Max. Capacity	8 GB				
	Socket	4 x 240-pin DIMM				
Graphics	Embedded	Chipset integrated VGA controller				
	DVI	Yes, via Chronitel 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	VGA	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")				

## Board Diagram



## Ordering Information

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

## 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

## Bracket 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

OS	Part No.	Description
Win XPE	2070005289	XPE FP2007 AIMB-566 V3.01 ENG
	2070005290	XPE FP2007 AIMB-566 V3.01 CH

