



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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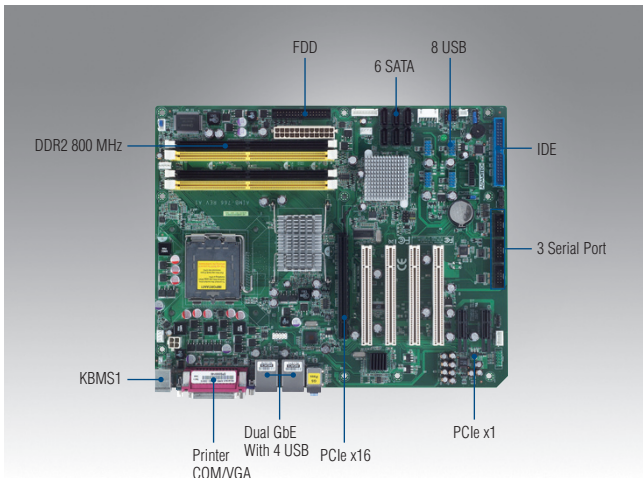
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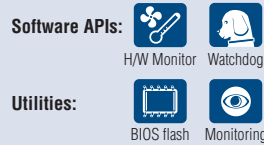
AIMB-766

LGA775 Intel® Core™ 2 Quad/Core™ 2 Duo ATX with VGA, 4 COM, and Dual LAN



Features

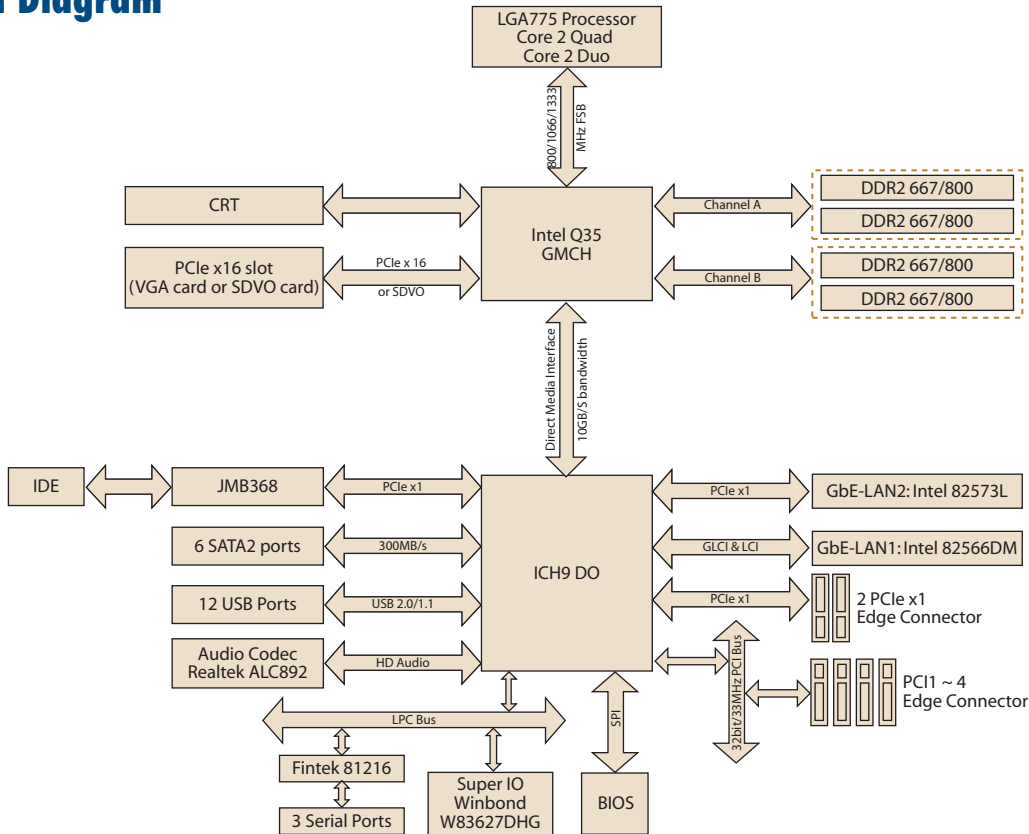
- Intel® Q35 and ICH9 DO supporting 800/1066/1333 MHz FSB
- Supports dual core and quad core process with 45nm processing
- Dual channel DDR2 667/800 SDRAM up to 8 GB
- Supports 4 PCI, 2 PCIe x1, 6 SATA ports and dual LAN
- Supports Embedded Software APIs and Utilities



Specifications

Processor System	CPU (45/65nm)	Intel Core 2 Quad	Intel Core 2 Duo	Intel Pentium Dual-Core	Intel Celeron	
	Max. Speed	Q9400 2.66 GHz	E8400 3.0 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 x16	4.0 GB/s per direction, 1 slot				
	PCIe x1	250 MB/s per direction, 2 slot				
	PCI	32-bit/33 MHz, 4 slots				
Memory	Technology	Dual channel DDR2 667/800 MHz				
	Max. Capacity	8 GB				
	Socket	4x 240-pin DIMM				
Graphics	Embedded	Intel GMA 3100 sharing 384 MB system memory				
	Add-on	PCIe x16 slot				
Ethernet	Interface	10/100/1000 Mbps				
	Controller	GbE-LAN1: Intel 82566DM, GbE-LAN2: Intel 82573L				
	Connector	RJ-45 x 2				
SATA II	Max. Data Transfer Rate	300 MB/s				
	Channel	6				
EIDE	Mode	ATA 100/66/33				
	Channel	1 (max. 2 devices)				
Rear I/O	VGA	1				
	USB	12				
	Audio	2 (Mic-in, Line-out)				
	Serial	4 (3 x RS-232, 1 x RS-232/422/485)				
	Parallel	1 (SPP/EPP/ECP)				
	FDD	1				
	PS/2	2 (1 x keyboard and 1 x mouse)				
Internal Connectors	USB	8				
	Serial	3 (2 x RS-232, 1 x RS-232/422/485)				
	IDE	1				
	SATA	6				
	FDD	1				
Watchdog Timer	Output	System reset				
	Interval	Programmable 1~ 255 sec/min				
Power Requirement	Power On	Intel Core 2 Quad9300 2.5 Ghz (1333 MHz FSB), 4 x 1 GB DDR2 800 SDRAM				
		+5 V	+3.3 V	+12 V	+5 Vsb	-12 V
Environment		3.58 A	2.86 A	3.52 A	0.74 A	0.02 A
	Temperature	Operating 0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution			Non-Operating -20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions (W x D)	304.8 x 244 mm (12" x 9.6")				

Board Diagram



Ordering Information

	Chipset	GbE	COM	SATA	SW RAID	AMT 3.0
AIMB-766VG-00A2E	Q35/ICH9	Single	4	4	None	None
AIMB-766G2-00A2E	Q35/ICH9 DO	Dual	4	6	Yes	Yes

Riser Card

Part Number	Description
AIMB-RP30P-03A1E	2U riser card with 3 PCI expansion
AIMB-RP3PF-21A1E	2U riser card with 2 PCI and PCIe x16 expansion

Packing List

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

Bracket View



AIMB-766VG-00A2E



AIMB-766G2-00A2E

Optional Accessories

Part Number	Description
1750000334	LGA775 CPU cooler for 4U, 5U, and 7U chassis
1960022033T000	LGA775 CPU cooler for 2U chassis
1960013266T000	LGA775 CPU cooler for ACP-1320 (only for Core 2 Duo)
1700002204	USB cable with dual ports, 27 cm