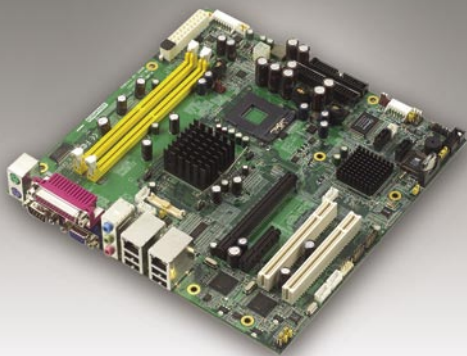


AIMB-554

Socket 478 Core™ 2 Duo/Core™ Duo/ Core™ Solo Processor-based Micro ATX Motherboard with DDR2/Dual GbE LAN

NEW



Features

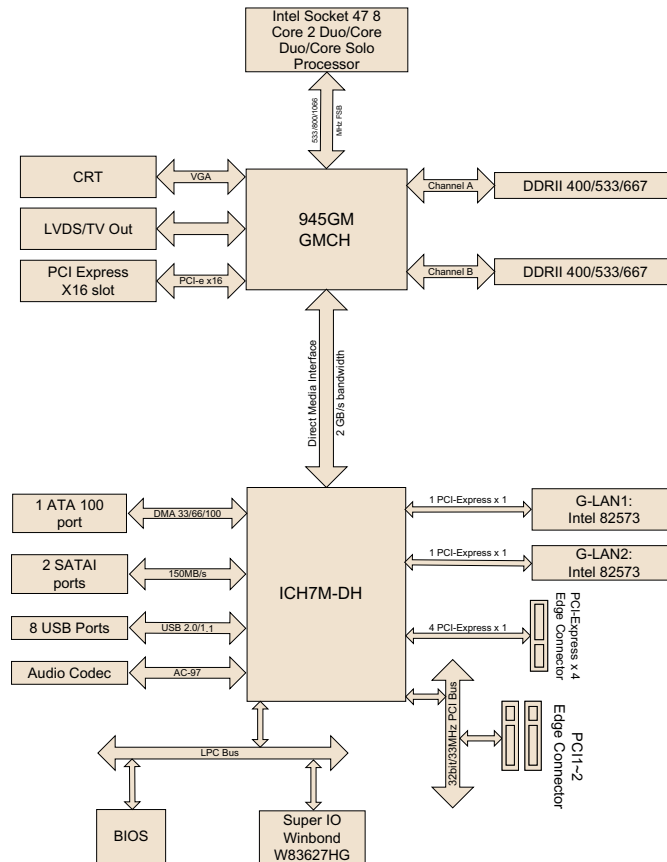
- Intel® 945 GM with ICH7M-DH chipset 667 MHz FSB
- Supports single channel DDR2 400/533/667 SDRAM up to 2 GB
- Two SATA ports with support for software Serial ATA RAID 0,1
- Supports dual 10/100/1000Base-T Ethernet via dedicated PCIe x1 bus
- Chipset integrated VGA
- PCI Express x16 interface for VGA
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup
- Supports LVDS/TV out connectors

Specifications

Processor System	CPU	Intel® Core™ 2 Duo	Intel® Core™ Duo	Intel® Core™ Solo
	Max. Speed	2.16 GHz	2.16 GHz	1.5 GHz
	L2 Cache	2MB/4MB	2 MB	1 MB
	Chipset	Intel 945GM + ICH7M-DH		
	BIOS	Award 4 Mb FWH		
	Front Side Bus	400/533/667 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	Single channel DDRII 400/533/667 SDRAM		
	Max. Capacity	2 GB		
	Socket	240-pin DIMM x 2		
Graphic	Embedded	Chipset integrated VGA controller sharing 224 MB system memory		
	add-on	PCIe x16 slot		
Ethernet	Interface	10/100/1000 Base-T		
	Controller	G-LAN1: Intel 82573 G-LAN2: Intel 82573 (2 PCIe x1)		
	Connector	RJ-45 x 2		
SATA	Max. Data Transfer Rate	150 MB/s		
	Channel	2		
EIDE	Mode	ATA 100/66/33		
	Channel	1 (Max. two devices)		
I/O Interface	VGA	1		
	LAN	1 (for VG version); 2 (for G2 version)		
	USB	8 (USB 2.0, 480Mbps; 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, 1 port with RS-232/422/485 signal)		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	PS/2	2 (Keyboard and Mouse)		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	Programmable 1 ~ 255 sec.		
Power Requirement	Typical	Intel CoreDuo-T2400 1.83GHz (667FSB) DDRII 667 1GB SDRAM X2		
		+5V	+3.3V	+12V
		2.4A	3A	1.5A
Environment		Operating		
	Temperature	0 ~ 60 °C (32 ~ 140 °F), depends on CPU's speed and cooler solution.		
Physical Characteristics	Dimensions (W x D)	244 mm x 244 mm (9.6" x 9.6")		

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Block Diagram



Ordering Information

Part Number	Gigabit LAN	VGA
AIMB-554VG-00A1E	Single	Yes
AIMB-554G2-00A1E	Dual	Yes

Bracket View



AIMB-554VG-00A1E



AIMB-554G2-00A1E

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	X 1
1701400452	IDE HDD cable	X 1
1700071000	Serial ATA HDD data cable	X 2
1703150102	Serial ATA HDD power cable	X 2
170304015K	ATX 12V power converter cable	X 1
1701090401	COM port cable kit	X 1
9689000068	Jumper pack	X 1
1960004027	I/O port bracket	X 1
-	Startup manual	X 1
-	Utility CD	X 1
1750000348	CPU cooler	X 1