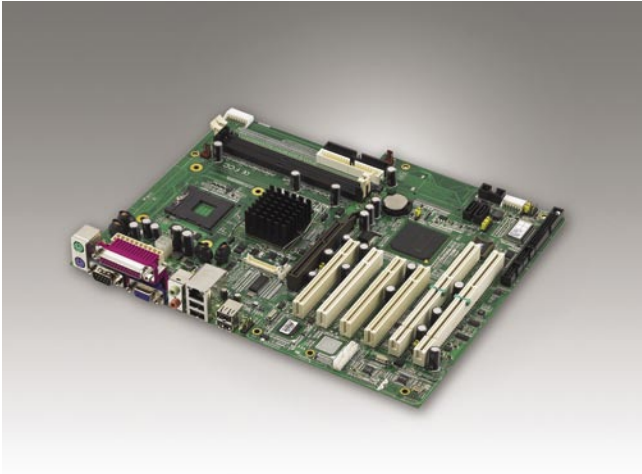


AIMB-750

Socket 479 Pentium® M/Celeron® M Processor-based ATX with 64-bit PCI-X/AGP/Dual GbE LAN



Features

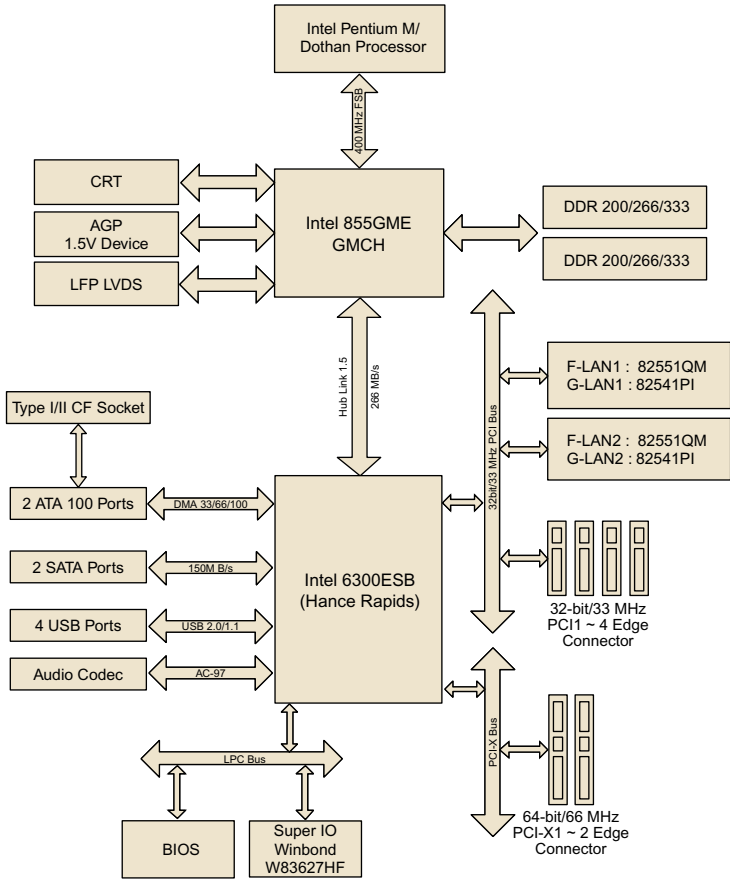
- Intel® 855GME with 6300ESB chipset 400 MHz FSB
- Supports single channel DDR 200/266/333 SDRAM with ECC/non-ECC support
- Chipset integrated VGA
- Supports up to two devices with software Serial ATA RAID 0, 1
- 64-bit/66 MHz PCI-X
- One onboard LVDS connector
- Supports 10/100Base-T Ethernet or 10/100/1000Base-T Ethernet
- AGP 4X slot
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup data
- Compatible with Advantech's 1U, 2U, 4U, 5U and 7U chassis



Specifications

Processor System	CPU (90nm/ 130nm)	Intel Pentium® M	Intel Celeron® M
	Max. Speed	2.1 GHz and above (400 FSB)	1.5 GHz and above (400 FSB)
	L2 Cache	1024/2048 KB	512/1024 KB
	Chipset	Intel 855GME + 6300ESB	
	BIOS	Award™ 4 Mbit FWH	
	Front Side Bus	400 MHz	
Expansion Slot	AGP	AGP 2.0 with 4x, 1.5V	
	PCI	32-bit/33 MHz, 4 slots	
	PCI-X	64-bit/66 MHz, 2 slots	
Memory	Technology	Single channel DDR 200/266/333 SDRAM with ECC/non-ECC support	
	Max. Capacity	2 GB	
	Socket	184-pin DIMM x 2	
Graphic	Controller	Chipset integrated VGA controller	
	VRAM	Dynamically shared system memory up to 64 MB	
Ethernet	Interface	10/100Base-T or 10/100/1000Base-T	
	Controller	LAN 1: Intel 82551QM (FE); Intel 82541PI (Gigabit) LAN 2: Intel 82551QM (FE); Intel 82541PI (Gigabit)	
	Connector	RJ-45 x 2	
SATA	Max. Data Transfer Rate	150 MB/s	
	Channel	2	
EIDE	Mode	ATA 100/66/33	
	Channel	2 (Max. 4 devices)	
I/O Interface	VGA	1	
	LVDS	1 (single channel 18-bit/ dual channel 36-bit)	
	USB	4 (USB 2.0, 480 Mbps; 2 headers and 2 external ports)	
	Audio	2 (Line-Out and Mic-In)	
	Serial	4 (RS-232, 1 port and 3 onboard pin headers)	
	Parallel	1 (SPP/EPP/ECP)	
	FDD	1	
	PS/2	2 (keyboard and mouse)	
Watchdog Timer	Output	Reset	
	Interval	Programmable 1 ~ 255 sec.	
Miscellaneous	Solid State Disk	1 Type I/II CompactFlash socket (Optional, upon request)	
Power Requirement	Typical	Pentium M	
		+3.3 V +5 V +12 V +5 VSB 4.09 A 2.77 A 0.75 A 2.0A	
Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F), depends on CPU's speed and cooler solution	-20 ~ 70° C (-4 ~ 158° F)
Physical Characteristics	Dimensions (W x D)	304.8 x 243.6 mm (12" x 9.6")	

Block Diagram



Ordering Information

Part Number	Fast Ethernet LAN	Gigabit LAN
AIMB-750VE-00A1E	Single	-
AIMB-750E2-00A1E	Dual	-
AIMB-750VG-00A1E	-	Single
AIMB-750G2-00A1E	-	Dual

Packing List

Part Number	Description	Quantity
1700340640	FDD cable	x 1
1701400452	IDE HDD cable	x 2
1700003194	Serial ATA HDD data cable	x 2
1703150102	Serial ATA HDD power cable	x 2
1701092300	Dual COM port cable kit	x 1
9689000068	Jumper pack	x 1
1962015680	I/O port bracket	x 1
1960001631	Low profile CPU cooler	x 1
-	Startup manual	x 1
-	Utility CD	x 1

Bracket View



AIMB-750VE-00A1E
AIMB-750VG-00A1E



AIMB-750E2-00A1E
AIMB-750G2-00A1E