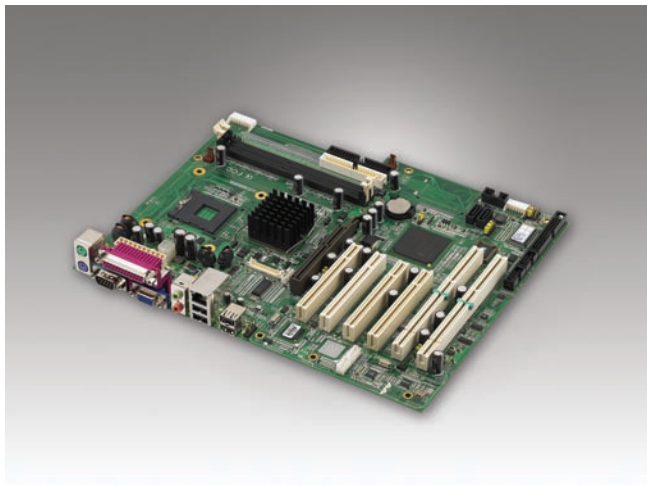


# AIMB-750

## Socket 479 Pentium® M/Celeron® M Processor-based ATX with 64-bit PCI-X/AGP/Dual 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
- Supports 2 64-bit/66 MHz PCI-X expansion
- Onboard LVDS connector support 36-bit dual channel LVDS
- Supports Dual 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	1.5 GHz	
	L2 Cache	1024/2048 KB	512/1024 KB	
	Chipset	Intel 855GME + 6300ESB		
	BIOS	Award™ 4 Mbit FWH		
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		
Graphics	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 (GbE) LAN 2: Intel 82551QM (FE); Intel 82541PI (GbE)		
	Connector	RJ-45 x 2		
SATA	Max. Data Transfer Rate	150 MB/s		
EIDE	Channel	2		
	Mode	ATA 100/66/33		
I/O Interface	Channel	2 (Max. 4 devices)		
	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		
Watchdog Timer	PS/2	2 (keyboard and mouse)		
	Output	Reset		
Miscellaneous	Interval	Programmable 1 ~ 255 sec/ min		
	Solid State Disk	1 Type I/II CompactFlash socket (Optional, upon request)		
Power Requirement	Typical	Pentium M		
		+3.3 V	+5 V	+12 V
		4.09 A	2.77 A	0.75 A
				+5 VSB 2.0A
Physical Characteristics	Dimensions (W x D)	304.8 x 243.6 mm (12" x 9.6")		

### Ordering Information

Part Number	Fast Ethernet LAN	GbE LAN
AIMB-750VE-00A2E	Single	-
AIMB-750E2-00A2E	Dual	-
AIMB-750VG-00A2E	-	Single
AIMB-750G2-00A2E	-	Dual

### Riser Card

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

### 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
1960012533T000	I/O port bracket	x 1
1750000245	Low profile CPU cooler	x 1
-	Startup manual	x 1
-	Utility CD	x 1