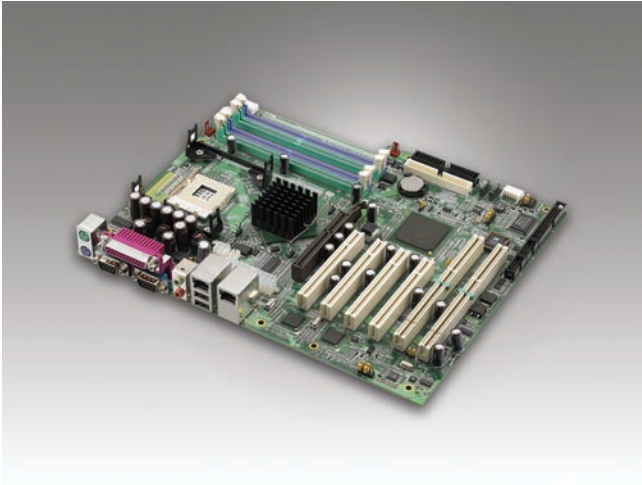


# AIMB-744

## Socket 478 Pentium® 4/Celeron® D/Celeron Processor-based ATX with 64-bit PCI-X/AGP/ Dual LAN



### Features

- Intel® 875P with 6300ESB chipset 400/533/800 MHz FSB
- Supports dual channel DDR 400 SDRAM with ECC/non-ECC support
- Supports up to two devices with software Serial ATA RAID 0, 1
- 64-bit, 66 MHz PCI-X
- Supports 10/100/1000Base-T Ethernet
- One AGP slot
- CMOS automatic backup & restore prevents accidental loss of BIOS setup
- Compatible with Advantech's 1U, 2U, 4U, 5U and 7U chassis

### Specifications

Processor System	CPU (90nm/ 130nm)	Intel® Pentium® 4	Intel® Celeron® D	Intel® Celeron®
	Max. Speed	3.06 GHz (533 FSB) 3.4 GHz (800 FSB) * Vcore 1.75V CPU (Willamette) not supported	3.06 GHz	2.8 GHz
	L2 Cache	256/512/1024 KB	256 KB	128/256 KB
	Chipset	Intel 875P + 6300ESB		
	BIOS	Award™ 4 Mbit FWH		
	Front Side Bus	400/533/800 MHz		
Expansion Slot	AGP	AGP 3.0 with 4x and 8x, 0.8 V and 1.5 V, 1 slot		
	PCI	32-bit/33 MHz, 4 slots		
	PCI-X	64-bit/66 MHz, 2 slots		
Memory	Technology	Dual Channel DDR 266/333/400 SDRAM with ECC/non-ECC support		
	Max. Capacity	4 GB		
	Socket	184-pin DIMM x 4		
Ethernet	Interface	10/100/1000Base-T		
	Controller	LAN 1: Intel 82547GI (GbE, CSA) LAN 2: Intel 82541PI (GbE)		
	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	USB	4 (USB 2.0, 480Mbps; 4 external ports)		
	Audio	2 (Line-Out and Mic-In)		
	Serial	4 (RS-232, 2 ports and 2 onboard pin headers)		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	PS/2	2 (keyboard and mouse)		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec/ min		
Power Requirement	Typical	Pentium 4 3.2 GHz, 4 GB DDR 266/333/400 SDRAM		
		+3.3 V	+5 V	+12 V
		8.13 A	0.57 A	5.29 A
Physical Characteristics	Dimensions (W x D)	304.8 x 243.8 mm (12" x 9.6")		

### Ordering Information

Part Number	Fast Ethernet LAN	GbE LAN
AIMB-744G-00A3E	-	Single
AIMB-744G2-00A3E	-	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
-	Startup manual	x 1
-	Utility CD	x 1