

AIMB-742

Socket 478 Pentium® 4/Celeron® D/ Celeron Processor-based ATX with AGP/Dual LAN



Features

- Intel® 865G chipset 400/533/800 MHz FSB
- Supports dual channel DDR 266/333/400 SDRAM
- Chipset integrated VGA
- Supports up to 2 Serial ATA devices
- Onboard AGP 8X slot
- Supports 10/100Base-T Ethernet or 10/100/1000Base-T Ethernet
- CMOS automatic backup and restore to prevent accidental data 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	3.4 GHz	3.06 GHz	2.8 GHz
	L2 Cache	256/512/1024 KB	256 KB	128/256 KB
	Chipset	Intel 865G + ICH5		
	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, 5 slots (1 shared with ISA slot)		
	ISA	16-bit/8 MHz, 2 slots		
	Technology	Dual channel DDR 266/333/400 SDRAM		
Memory	Max. Capacity	4 GB		
	Socket	184-pin DIMM x 4		
	Controller	Intel Extreme Graphics 2		
Graphics	VRAM	Dynamically shared system memory up to 64 MB		
	Interface	10/100Base-T or 10/100/1000Base-T		
Ethernet	Controller	LAN 1: Intel 82562EZ (FE); Intel 82547GI (GbE, CSA) LAN 2: Intel 82551QM (FE); 82541PI (GbE)		
	Connector	RJ-45 x 2		
	Max. Data Transfer Rate	150 MB/s		
SATA	Channel	2		
	Mode	ATA 100/66/33		
EIDE	Channel	2 (Max. 4 devices)		
	VGA	1		
I/O Interface	USB	8 (USB 2.0, 480 Mbps; 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)		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	PS/2	2 (keyboard and mouse)		
	Watchdog Timer	Output	Interrupt, system reset	
Miscellaneous	Interval	Programmable 1 ~ 255 sec/ min		
	Solid State Disk	1 Type I/II CompactFlash socket (Optional, upon request)		
Power Requirement	Typical	Pentium 4 3.2 GHz, 4 GB DDR 266/333/400 SDRAM		
		+3.3 V	+5 V	+12 V
		9.26 A	0.43 A	5.42 A
Physical Characteristics	Dimensions (W x D)	304.8 x 228.6 mm (12" x 9")		

Ordering Information

Part Number	Fast Ethernet LAN	GbE LAN	AGP slot
AIMB-742VE-00A2E	Single	-	Yes
AIMB-742E2-00A2E	Dual	-	Yes
AIMB-742VG-00A2E	-	Single	Yes
AIMB-742G2-00A2E	-	Dual	Yes

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
1701090401	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