

AIMB-741

Preliminary

Socket 478 Pentium® 4/Celeron® Industrial ATX Motherboard with DDR/AGP/Dual LAN (400/533 MHz FSB)



Features

- Industrial grade motherboard with long life support
- Socket 478 Pentium 4/Celeron up to 3.06/2.2 MHz
- Intel® 845E chipset 400/533 MHz FSB
- Onboard AGP 1X/2X/4X slot
- Supports 10/100Base-T Ethernet or 10/100/1000Base-T Ethernet
- 6 USB 2.0 ports
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup
- 1 AGP slot / 2 ISA slots / 5 PCI slots (1 shared with ISA slot)
- Compatible with Advantech's 1U, 2U, 4U, 5U and 7U chassis

Specifications

Processor System	CPU (0.13 & 0.09 micron)	Intel Pentium 4	Intel Celeron			
	Max. Speed	3.06 GHz (533 FSB)	2.4 GHz			
	L2 Cache	512/256 KB	128KB			
	Chipset	IntelR 845E + ICH4				
	BIOS	Award 4 Mb FWH				
Bus	Front Side Bus	400/533 MHz				
	AGP	AGP2.0 with 1X, 2X, and 4X, 1.5V only, 1 slot				
	PCI	32-bit/33 MHz, 5 slots (1 shared with ISA slot)				
	ISA	16-bit/8 MHz, 2 slots				
Memory	Technology	DDR 200/266 SDRAM with ECC support				
	Max. Capacity	2 GB				
	Socket	184-pin DIMM x 2				
Ethernet	Interface	10/100Base-T or 10/100/1000Base-T				
	Controller	LAN 1: Intel 82562 (FE); Intel 82541 (Gigabit) LAN 2: Intel 82551 (FE) (82541 upon request)				
	Connector	RJ-45 x 2				
EIDE	Mode	ATA 100/66/33				
	Channel	2 (Max. 4 devices)				
I/O Interface	USB	Max. 6 (USB 2.0 compliant), 4 ports on board				
	Audio	2 (LINE-Out and MIC-In)				
	Serial	2 (RS-232)				
	Parallel	1 (SPP/EPP/ECP)				
	FDD	1				
	PS/2	2 (Keyboard and Mouse)				
Watchdog Timer	Output Interval	Interrupt, system reset Programmable 1~255 sec.				
Miscellaneous	Solid State Disk	1 Type I/II CompactFlash socket (Optional, upon request)				
Power Requirement	Typical	Pentium 4				
		+3.3 V	+5 V	-5 V	+12 V	-12 V
		TBD	TBD	TBD	TBD	TBD

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Environment	Temperature	Operating	Non-Operating
		0 ~ 60 °C (32 ~ 140 °F), depends on CPU's speed	-20 ~ 70 °C (-4 ~ 158 °F)
Physical	Dimensions	304.8 x 228.6 mm (12" x 9")	

Ordering Information

Part Number	Fast Ethernet LAN	Gigabit LAN
AIMB-741L-00A1	--	--
AIMB-741E-00A1	Single	--
AIMB-741E2-00A1	Dual	--
AIMB-741G-00A1	--	Single

Packing List

FDD cable	X 1	1700340640
IDE HDD cable	X 2	1701400452
COM port cable kit	X 1	1701090401
ATX 12V power converter cable	X 1	170304015K
Jumper pack	X 1	9689000068
I/O port bracket	X 1	1962015680
Startup manual	X 1	--
Utility CD	X 1	--

Accessory Options

CPU cooler for Pentium 4 up to 2.8 GHz, for 1U chassis	1759214200
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Block Diagram

