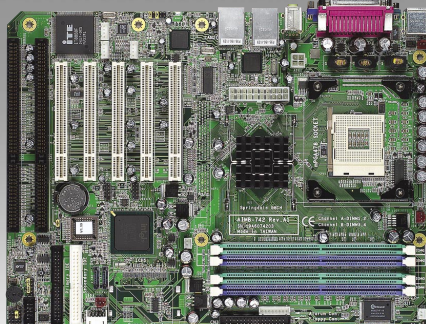


AIMB-742-L

**Socket 478 Pentium® 4/Celeron®
Industrial ATX Motherboard with
Dual DDR/Dual Ethernet LAN
(400/533/800 MHz FSB)**

NEW



Features

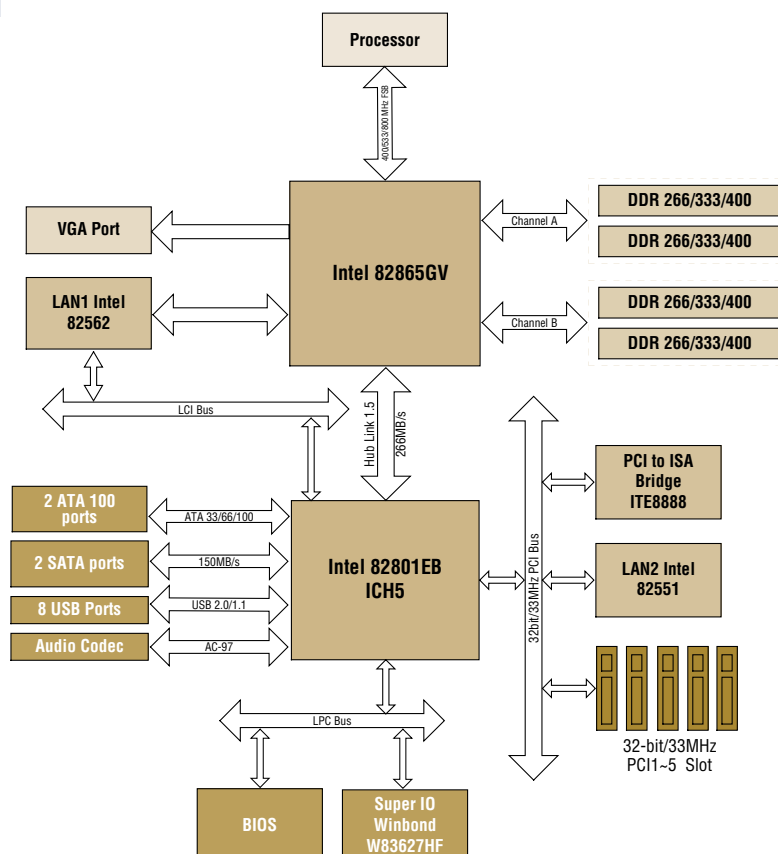
- Industrial grade motherboard with long life support
- Supports up to 2 Serial ATA devices
- Supports dual channel DDR 400 SDRAM
- Intel® 865GV chipset 400/533/800 MHz FSB
- Supports 10/100Base-T Ethernet
- 8 USB 2.0 ports
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup
- 2 ISA slots / 5 PCI slots (1 shared with ISA slot)
- Compatible with Advantech's IPC chassis

CE FCC

Specifications

Processor System	CPU	Intel Pentium 4			Intel Celeron
	Max. Speed	3.06 GHz (533 FSB) 3.4 GHz (800 FSB)			2.8 GHz
	L2 Cache	1024/512KB			256/128KB
	Chipset	Intel® 865GV + ICH5			
	BIOS	Award 4 Mb FWH			
Bus	Front Side Bus	400/533/800 MHz			
	AGP	None			
	PCI	32-bit/33 MHz, 5 slots (1 shared with ISA slot)			
	ISA	16-bit/8 MHz, 2 slots			
Memory	Technology	Dual channel DDR266/333/400 SDRAM			
	Max. Capacity	4 GB			
	Socket	184-pin DIMM x 4			
Graphic	Controller	Chipset integrated VGA controller			
	VRAM	Dynamically shared system memory up to 64 MB			
Ethernet	Interface	10/100Base-T			
	Controller	LAN 1: Intel 82562EZ LAN 2: Intel 82551QM			
	Connector	RJ-45 x 2			
SATA	Max. Data Transfer Rate	150MB/Sec			
	Channel	2			
EIDE	Mode	ATA 100/66/33			
	Channel	2 (Max. 4 devices)			
I/O Interface	VGA	1			
	USB	Max. 8 (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	Interrupt, system reset			
	Interval	Programmable 1~255 sec.			
Miscellaneous	Solid State Disk	1 Type I/II CompactFlash socket (Optional, upon request)			
Power Requirement	Typical	Pentium 4 3.4GHz, 2GB DDR400 SDRAM			
		+3.3 V	+5 V	5VSBY	+12 V
		9.31A	0.71A	0.5A	9.77A
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")			

Block Diagram



Ordering Information

Part Number	Fast Ethernet LAN
AIMB-742VE-L0A1	Single
AIMB-742E2-L0A1	Dual

Packing List

▪ FDD cable	X 1	1700340640
▪ IDE HDD cable	X 2	1701400452
▪ Serial ATA HDD data cable	X 2	1700071000
▪ Serial ATA HDD power cable	X 2	1703150102
▪ ATX 12V power converter cable	X 1	170304015K
▪ COM port cable kit	X 1	1701090401
▪ 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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