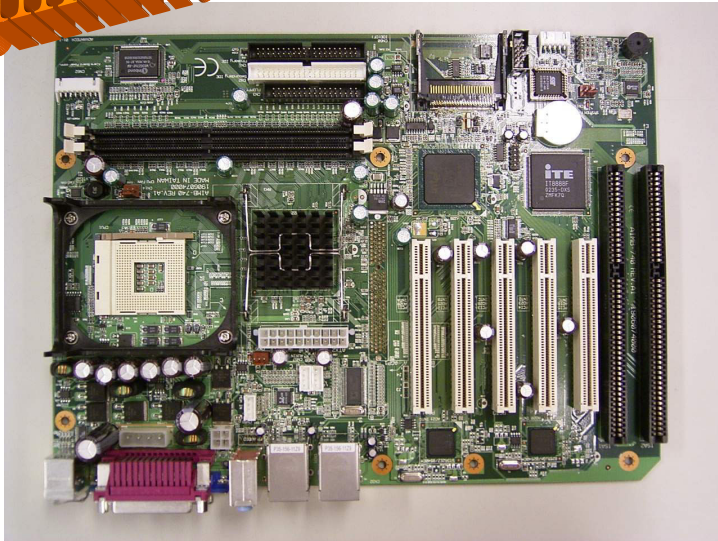


AIMB-740

Preliminary

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



Features

- Industrial grade mother board with long life support
- Socket 478 Pentium 4/Celeron up to 3.06/2.2 MHz
- Intel® 845GV chipset 400/533 MHz FSB
- Onboard integrated VGA controller, shared memory architecture
- 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
- 2 ISA slots/ 5 PCI slots (1 shared with ISA slot)

Specifications

Processor System	CPU (0.13 & 0.09 micron)	Intel Pentium 4	Intel Celeron
	Max. Speed	3.06 GHz (533 FSB)	2.2 GHz
	L2 Cache	512/256 KB	128 KB
	Chipset	Intel 845GV	
	BIOS	Award 4 Mb FWH	
Bus	Front Side Bus	400/533 MHz	
	PCI	32-bit/33 MHz, 5 slots (1 shared with ISA slot)	
	ISA	16-bit/8 MHz, 2 slots	
Memory	Technology	DDR 200/266/333 SDRAM	
	Max. Capacity	2 GB	
	Socket	184-pin DIMM x 2	
Graphic	Controller	Chipset integrated VGA controller	
	VRAM	Dynamically shared system memory 8-64 MB	
Ethernet	Interface	10/100Base-T or 10/100/1000Base-T	
	Controller	LAN 1: Intel 82562 (FE); Intel 82541 (Gigabit) LAN 2: Intel 82551 (FE)	
	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	Interrupt, system reset	
	Interval	Programmable, 1~255 sec.	

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AIMB-740

Miscellaneous	Solid State Disk	1 Type I/II CompactFlash socket (Optional, upon request)
Power Requirement	Typical	Pentium 4 2 GHz, 256 MB DDR SDRAM + 5 V + 12 V 8.7 A 310 mA
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	VGA	Fast Ethernet LAN	Gigabit LAN
AIMB-740VE-00A1	V	Single	--
AIMB-740E2-00A1	V	Dual	--
AIMB-740VG-00A1	V	--	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 2.53 GHz, for 1U chassis	1759252100
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Block Diagram

