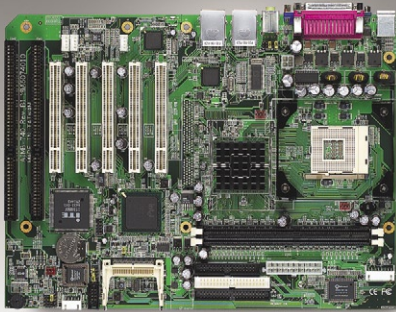


AIMB-740-B

Socket 478 Pentium® 4/Celeron® D/Celeron® Processor-based Industrial ATX Motherboard with Dual LAN (400/533 MHz FSB)



Features

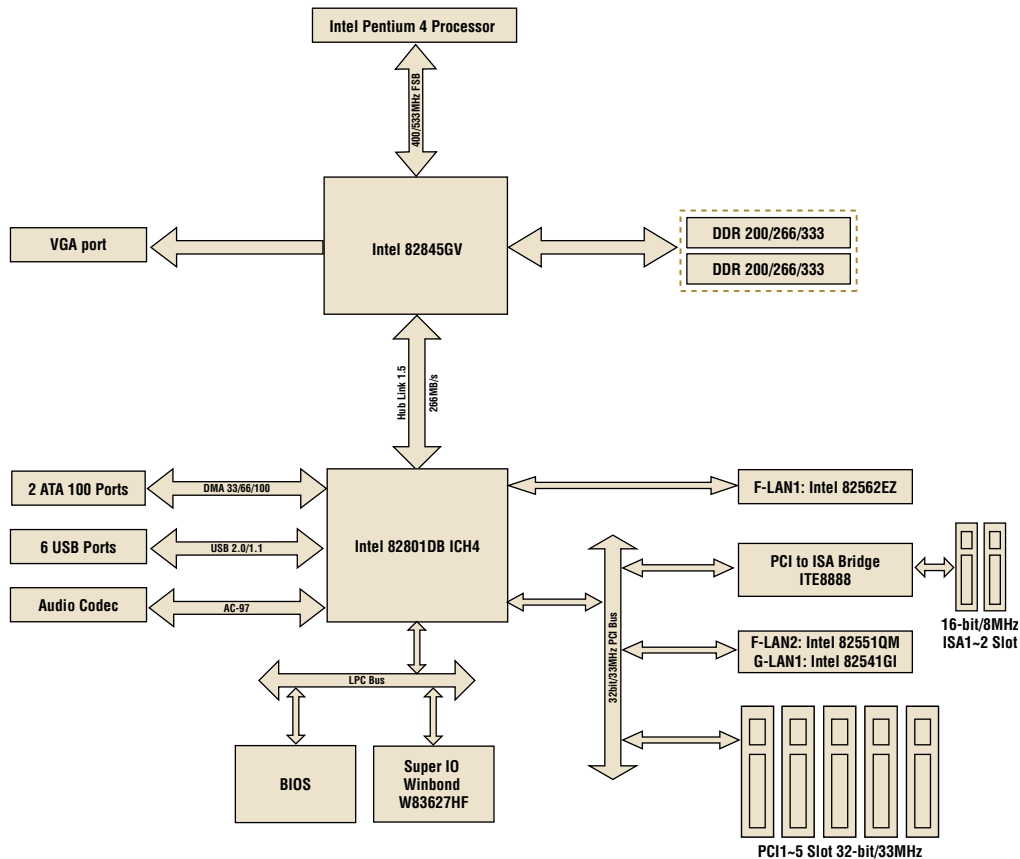
- Industrial grade motherboard with long life support
- Intel® 845GV chipset 400/533 MHz FSB
- Socket 478 Pentium® 4/Celeron®/Celeron®-D up to 3.06/2.8/2.8 GHz
- Onboard integrated VGA controller, shared memory architecture
- Supports 10/100Base-T Ethernet or 10/100/1000Base-T Ethernet
- 6 USB 2.0 ports
- 2 ISA slots / 5 PCI slots (1 shared with ISA slot)
- Optional DVI panel support
- CMOS automatic backup and restore to prevent accidental data loss of BIOS setup
- Compatible with Advantech's 1U, 2U, 4U, 5U and 7U chassis

CE FCC

Specifications

Processor System	CPU	Intel Pentium 4	Intel Celeron D	Intel Celeron
	Max. Speed	3.06 GHz (533 FSB)	3.06 GHz	2.8 GHz
	L2 Cache	256/512 KB	256 KB	128 KB
	Chipset	Intel® 845GV		
	BIOS	Award 4 Mbit 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	F-LAN1: Intel 82562EZ (FE) F-LAN2: Intel 82551QM (FE) G-LAN1: Intel 82541G1 (Gigabit)		
	Connector	RJ-45 x 2		
EIDE	Mode	ATA 100/66/33		
	Channel	2 (Max. 4 devices)		
I/O Interface	VGA	1		
	USB	6 (USB 2.0, 480Mbps; 2 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		
	Interval	Programmable, 1~255 sec.		
Miscellaneous	Solid State Disk	1 Type I/II CompactFlash socket (Optional, upon request)		
Power Requirement	Typical	Pentium 4 3.06 GHz, 2 GB DDR 200/266/333 SDRAM		
		+3.3 V	+ 5 V	+ 12 V
Environment		4.23 A	1.35 A	4.17 A
	Temperature	Operating 0 ~ 60 °C (32 ~ 140 °F), depends on CPU's speed		Non-Operating -20 ~ 70 °C (-4 ~ 158 °F)
Physical Characteristics	Dimensions	304.8 x 228.6 mm (12" x 9")		

Block Diagram



- Industrial Motherboards **1**
- Industrial Motherboard Chassis **2**
- PICMG Single Board Computers **3**
- Industrial Computer Chassis **4**
- Industrial Computer Peripherals **5**
- 6U CompactPCI Enclosures **6**
- 6U CompactPCI Boards **7**
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- 3U CompactPCI Systems **10**
- Internet Security Platforms **11**
- Network Application Ready Platforms **12**

Ordering Information

Part Number	VGA	Fast Ethernet LAN	Gigabit LAN
AIMB-740VE-00B1	V	Single	-
AIMB-740E2-00B1	V	Dual	-
AIMB-740VG-00B1	V	-	Single
AIMB-740V-00B1	V	-	-

Packing List

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

Bracket View



AIMB-740VE-00B1
AIMB-740VG-00B1



AIMB-740E2-00B1



AIMB-740V-00B1

Optional Accessories

Part Number	Description
1759214200	CPU cooler for Pentium 4 processor up to 2.8 GHz (70 W), for 1U chassis
1750000073	CPU cooler for Pentium 4 processor up to 3.2 GHz (89 W), for 2U or higher chassis
9696070010	DVI card (for DVI panel display; BIOS, AGP slot upon request)