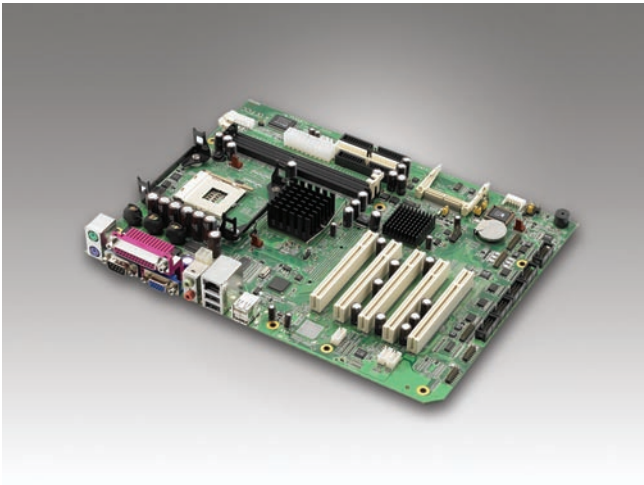


# AIMB-740-6CB1

Socket 478 Pentium® 4/  
Celeron® D/Celeron Processor-  
based ATX with VGA/FE LAN



CE FCC

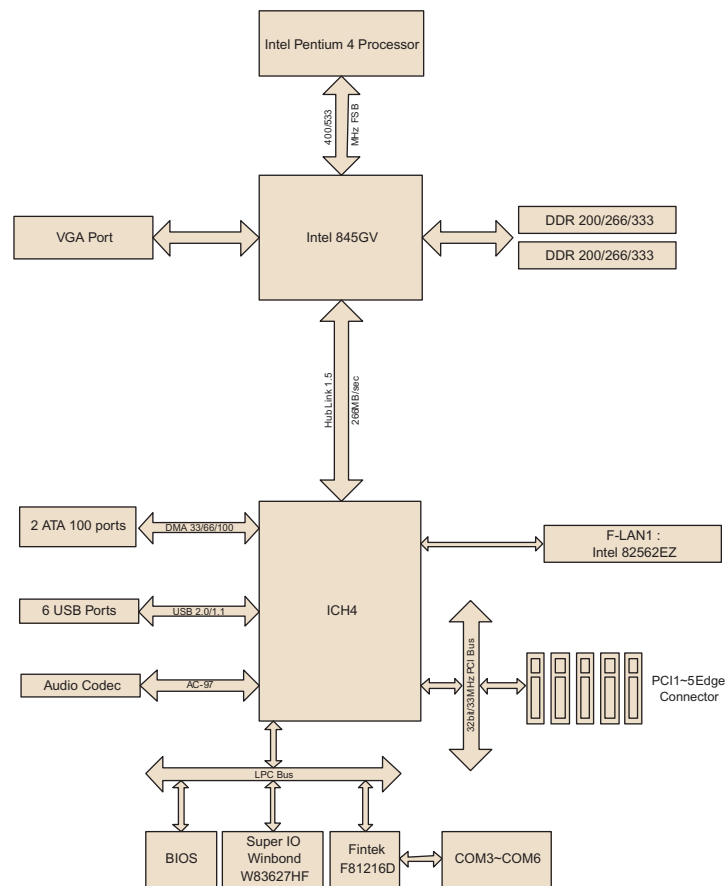
## Features

- Single channel DDR 200/266/333 SDRAM up to 2 GB
- Intel® 845GV chipset 400/533 MHz FSB
- Chipset integrated VGA sharing 8-64 MB system memory
- Six serial ports (2 of RS-232/422/485, 4 of RS-232)
- Supports single 10/100Base-T Ethernet
- Two 8-bit GPIO headers

## Specifications

Processor System	CPU (90 nm/130 nm)	Intel® Pentium® 4	Intel® Celeron® D	Intel® Celeron®
	Max. Speed	3.06 GHz	3.06 GHz	2.8 GHz
	L2 Cache	256/512 KB	256 KB	128/256 KB
	Chipset	Intel 845GV+ICH4		
	BIOS	Award™ 4 Mbit FWH		
	Front Side Bus	400/533 MHz		
Expansion Slot	PCI	32 bit/33MHz, 5 slots		
Memory	Technology	Single channel DDR 200/266/333 MHz		
	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	10/100 Base-T		
	Controller	F-LAN1: Intel 82562EZ (FE)		
	Connector	RJ45 with LED connector x 1		
EIDE	Mode	ATA 100/66/33		
	Channel	2 (Max. 4 devices)		
I/O Interface	VGA	1		
	USB	Max. 6 (USB 2.0 compliant), 2 ports on board		
	Audio	2 (Line-out and MIC-in)		
	Serial	6 (2 of RS-232/422/485, 4 of RS-232)		
	Parallel	1 (SPP/EPP/ECP)		
	FDD	1		
	PS/2	1		
	GPIO	Two 8-bit GPIO headers		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec		
Miscellaneous	Solid State Disk	1 Type I/II Compact Flash socket (Optional, upon request)		
	Typical	Pentium 4, 3.06 GHz, 2 GB DDR 200/266/333 SDRAM		
Power Requirement		+3.3 V	+5 V	+12 V
		4.23 A	1.35 A	4.17 A
Environment	Temperature	Operating		Non-Operating
		0 ~ 60° C (32 ~ 140° F), depends on CPU's speed and cooler solution		-20 ~ 70° C (-4 ~ 158° F)
Physical	Dimensions (W x D)	304.8 x 228.6 mm (12" x 9")		

## Block Diagram



## Ordering Information

Part Number	VGA	Fast Ethernet LAN
AIMB-740VE-6CB1	Yes	Single

## Bracket View



AIMB-740VE-6CB1

## Packing List

Part Number	Description	Qty
1700340640	FDD cable	x 1
-	Startup manual	x 1
-	CD with driver and manual	x 1
1701400452	Ultra ATA 100 HDD cables	x 2
1701090401	Single COM port cable kit	x 1
1701092300	Dual COM ports cable kit	x 2
1962015680	I/O port bracket	x 1
2190000902	Warranty certificate	x 1
-	EMI sponge	x 1

## 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