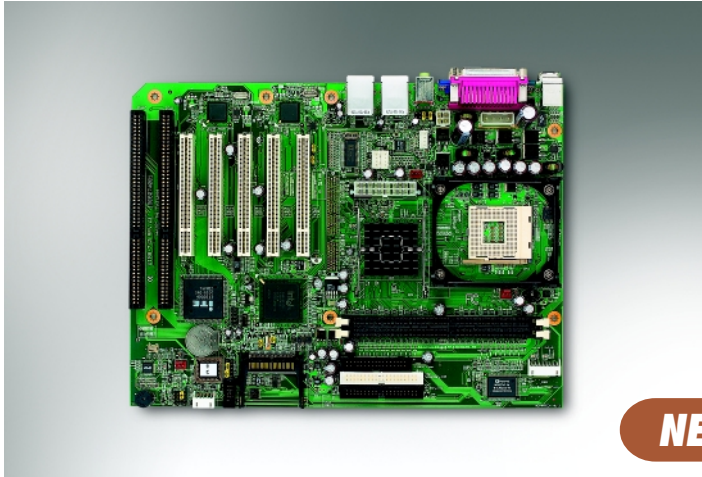


# AIMB-740

## Socket 478 Pentium® 4/Celeron® Industrial ATX Motherboard with DDR/ VGA/Dual LAN/HISA (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® 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)
- Standard ATX form factor

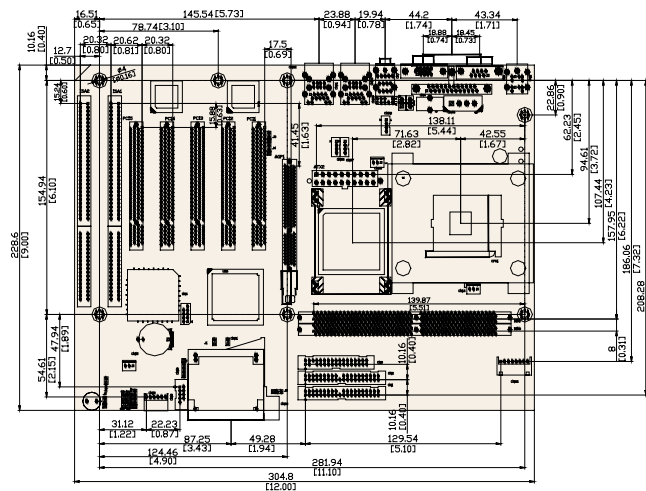
**NEW**

### 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)<br>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.  |                           |
| Miscellaneous     | Solid State Disk         | 1 Type I/II CompactFlash socket (Optional, upon request)                  |                           |
| Power Requirement | Typical                  | Pentium 4 2.4 GHz, 512 MB<br>DDR 333 SDRAM                                |                           |
|                   |                          | +3.3 V  | + 5 V                     |
|                   |                          | 4.23 A  | 1.35 A                    |
| Environment       | Operating                |   | Non-Operating             |
|                   | Temperature              | 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")   |                           |

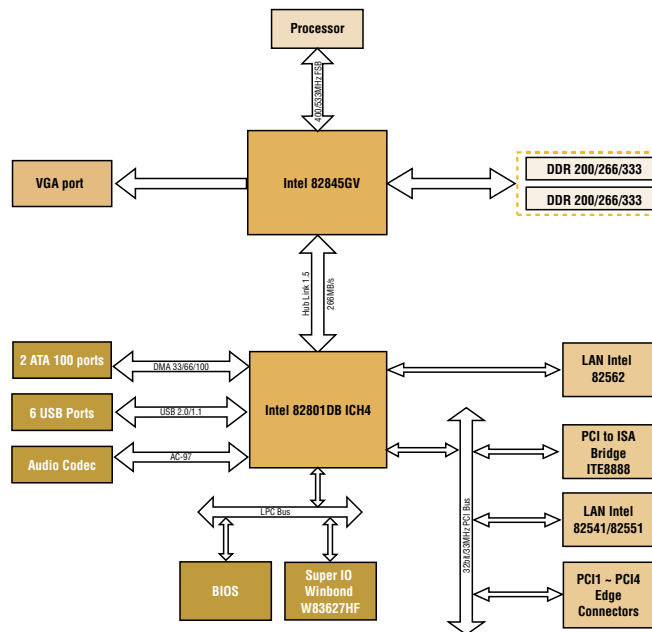
CE FCC

## Dimension Diagram



Unit: mm (inch)

## Block Diagram



## 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      |
| AIMB-740V-00A1  | V   | -                 | -           |

## 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 |
| CPU cooler for Pentium 4 up to 2.8 GHz, for 1U chassis  | 1759214200 |