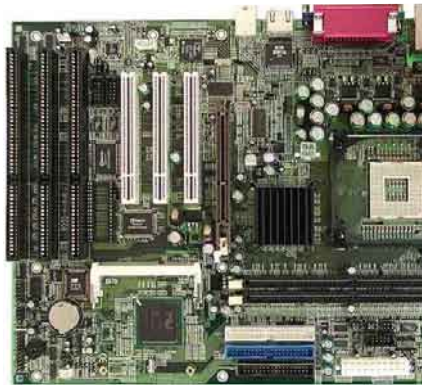


# MBC-4B01 AN

**AICSYS**  
ADVANCED INDUSTRIAL COMPUTER SYSTEMS



**Socket 478  
Pentium 4 CPU  
ATX Motherboard with  
Intel 845GE Chipset, DDR  
SDRAM, AGP 4X VGA, Intel  
10/100Mbps Ethernet, Audio,  
Digital I/O, 4 COM ports, Watch-  
dog Timer and 4 USB 2.0 ports**



## Features

- Socket-478 Pentium® 4 CPU ATX M/B (533 MHz FSB)
- Intel® 845GE chipset
- Chipset Integrated AGP 4X VGA
- Primary LAN: ICH4 integrated Ethernet, 10-T/100Base-TX
- Optional Secondary LAN: 82540EM 10/100/1000 Mb Gigabit LAN
- ICH4 integrated audio with AC97 Codec
- Digital I/O, 4 COM ports, 4 USB 2.0

## CPU

Intel® Pentium® 4, 1.30~3.06 GHz (L2 Cache 256/512K).

## Chipset

Intel® 845GE chipset.

## System Memory

2x 184pin DIMM sockets for up to 2GB PC-200/266 DDR SDRAM.

## BIOS

Award BIOS, ACPI supported.

## VGA Controller

Intel® 845GE chipset AGP 4X, optionally supports LVDS, CRT, TMDS & TV-out interface.

## IDE Interface

2x EIDE channels for PIO and UDMA mode, supports up to 4 IDE devices.

## Expansion Slots

1x AGP, 3x PCI, 3x ISA, 1 Micro PCI.

## Ethernet

ICH4 primary LAN 10Base-T/100Base-TX and Intel 82540EM (10/100/1000Mb) Gigabit secondary LAN.

## Audio

ICH4 integrated audio system with AC97 Codec.

## Flash Memory Disk

Reserved socket for DiskOnChip from M-System, supports up to 288MB DOC flash disk.

## I/O Ports

|                           |  |
|---------------------------|--|
| Serial Ports:             | 1x RS-232/422/485 and 3x RS-232 ports COM3 and COM4 supported by Winbond 83877 |
| Parallel Port:            | One bi-direction parallel port supports SPP/ECP/EPP mode                       |
| FDD Port:                 | 1 FDD port, supports up to 2 floppy devices                                    |
| Universal Serial Bus:     | Supports 4 USB ports (USB 1.1 and 2.0 compliant)                               |
| IR Interface:             | Supports 1 IrDA  |
| Digital I/O:              | 4 in & 4 out   |
| Keyboard/Mouse Connector: | External 6-pin Mini-Din PS/2   |

## Watchdog Timer

256-level time-out intervals (by software program).

## Health Monitoring

Winbond W83627HF, monitoring for CPU, system temperature, voltage and fan speed.

## Power Requirement

+5V@5.7A, +12V@8.5A (P4 1.8 GHz, 512MB DDR SDRAM).

## Power Connector

ATX 12V power connector.

## Environment

Operating Temperature: 0°C ~ 60°C

Storage Temperature : -20° ~ 80°C

Humidity : 10% to 90% RH, non-condensing

## Dimensions

305 mm x 244 mm (12" x 9.6")

## Ordering Information

|               |  |
|---------------|--|
| MBC-4B01 AN   | P4 ATX M/B with VGA, Audio and integrated LAN              |
| MBC-4B01 AG2N | P4 ATX M/B with VGA, Audio, integrated LAN and Gigabit LAN |

## Contact Information

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