

# SBC-4B04AN

**AICSYS**  
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

**PICMG  
Socket 478  
with Intel 865G,  
DDR SDRAM, Intel  
82551 LAN, Optional  
Intel Gigabit LAN, VGA,  
Audio, ISA High Drive, four  
USB 2.0 ports, WDT and DOC**



## Features

- Full-Size PICMG Socket-478 Pentium 4 Processor, up to 3.2 GHz
- Intel 865G Chipset, 800/533/400 MHz FSB
- Intel 82551 10/100Mb Ethernet controller, optional secondary Intel 82547EI Gigabit Ethernet controller
- Two DIMM sockets support up to 2GB DDR 266/333/400
- Chipset Integrated VGA for CRT. Optional ATI Mobility M7 VGA
- ISA High Drive, PCI to ISA Bridge, Micro PCI Socket
- Four USB 2.0 ports, two Serial ATA ports
- Watchdog Timer, DOC Socket

## CPU

Socket 478 for Intel Pentium 4 Processor, 2.0~3.2GHz, 800/533/400 MHz Front Side Bus.

## Chipset

Intel 865G Chipset.

## System Memory

Two 184-pin DIMM sockets for up to 2GB DDR SDRAM.

## BIOS

Award BIOS, ACPI supported.

## VGA Controller

Intel 865G integrated VGA, supports CRT interface. Optional ATI Mobility M7 Graphics Controller 32MB (DDR) LVDS/TMDS/Dual CRT. Integrated MPEG-2 decode capability.

## IDE Interface

Built in ICH5, two EIDE supports 4 IDE devices, includes UDMA33/66/100, PIO mode 4 and bus master.

## Ethernet

Intel 82551 10BT/100BTX Ethernet Controller.  
Optional Intel 82547EI Gigabit Ethernet Controller.

## Audio

ICH5 integrated audio with AC97, supports 5.1 channels.

## Flash Memory Disk

Reserved socket for DiskOnChip from M-System, supports up to 288MB Flash Memory Disk.

## Extra Features

ISA High Drive, PCI to ISA Bridge (ITE 8888), MicroPCI.

## I/O Ports

Serial Ports:	One RS-232 COM1 and one jumper selectable RS-232/422/485 COM2
Parallel Port:	One bi-direction parallel port, supports SPP/EPP/ECP
FDD Port:	1 FDC, supports up to two FDD (3 mode support)
Universal Serial Bus:	4 USB 2.0 ports
IR Interface:	Supports 1 IrDA by pin header
Keyboard/Mouse Connector:	External 6-pin Mini-Din PS/2

## Watchdog Timer

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

## Health Monitoring

Winbond W83627HF chipset, monitoring CPU/system temperature and voltage status.

## Power Consumption

+5V@6.4A, +12V@6.3A (P4 2.2GHz, 512MB DDR SDRAM)

## Environment

Operating Temperature:	0°C ~ 60°C
Storage Temperature:	-20°C ~ 80°C
Humidity:	10% ~ 90% RH, non-condensing

## Dimensions

338 x 122 mm (13.3" x 4.8")

## Ordering Information

SBC-4B04AN	PICMG Socket 478 with Intel 865G, DDR SDRAM, Intel 82551 LAN and VGA
SBC-4B04AG2N	PICMG Socket 478 with Intel 865G, DDR SDRAM, Intel 82551 LAN, Intel 82547 Gigabit LAN and VGA
DC-4B04 -M7	ATI 32MB supports dual channel LVDS interface, TMDS, TV-out & 2nd CRT display function
DC-4B04 -M9	ATI 64MB supports dual channel LVDS interface, TMDS, TV-out & 2nd CRT display function
DC-4B04 -M10	ATI 64MB 8X AGP chipset, supports dual channel LVDS interface, TMDS, TV-out & 2nd CRT display function
DC-4B04	Daughter Card with Chrontel CH7017 chipset that supports dual channel LVDS, TV-out interface (S-Video & AV)

## Contact Information

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