

# SBC-4B03AN

**AICSYS**  
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

**PICMG  
Socket  
478 Intel 845G,  
DDR SDRAM, ICH4  
LAN, Optional Intel  
Gigabit LAN, VGA, ISA  
High Drive, Micro PCI Socket,  
Six USB 2.0 ports, WDT and DOC**



## Features

- Full-Size PICMG Socket-478 Pentium 4 Processor, up to 3.06 GHz
- Intel 845G Chipset, 400/533 MHz Front Side Bus
- ICH4 Integrated LAN, optional Intel 82540 Gigabit LAN
- Chipset Integrated VGA for CRT
- Two 184-pin DDR Sockets, support up to 2GB DDR SDRAM
- ISA High Drive, PCI to ISA Bridge, Micro PCI Socket
- Six USB 2.0 Ports, Watchdog Timer, DOC Socket

## CPU

Socket 478 for Intel Pentium 4 Processor, up to 3.06GHz, 400/533 MHz FSB.

## Chipset

Intel 845G Chipset.

## System Memory

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

## BIOS

Award BIOS, ACPI supported.

## VGA Controller

Intel 845G integrated VGA, supports CRT interface. Optional ATI Mobility M7 Graphics Controller 32MB Embedded Memory Frame Buffer (DDR, AGP4) LVDS/TMDS/Dual CRT, integrated MPEG-2 decode capability.

## IDE Interface

Built in ICH4, two EIDE supports 4 IDE devices, includes UDMA33/66/100, PIO mode 4 and Bus Master.

## Ethernet

ICH4 integrated 10BT/100BTX Ethernet Controller. Optional Intel 82540 Gigabit Ethernet.

## Audio

ICH4 integrated audio.

## 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:	6 USB 2.0 ports
IR Interface:	Supports 1 IrDA by pin header
Keyboard/Mouse Connector:	External 6-pin Mini-Din PS/2

## Watchdog Timer

Generates system reset, 256 levels.

## Health Monitoring

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

## Power Consumption

+5V@5.7A, +12V@8.5A (P4 1.8GHz, 512MB DDR SDRAM)  
+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-4B03AN	PICMG Socket 478 with Intel 845G, DDR SDRAM, ICH4 LAN and VGA
SBC-4B03ANG-32	PICMG Socket 478 with Intel 845G, DDR SDRAM, ICH4 LAN, Gigabit LAN, ATI M7 VGA 32MB DDR, w/o TMDS, TV-Out and Audio
DC-4B03	Daughter card with TMDS, TV-Out (S-Video & AV)

## Contact Information

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