

SBC-4903 AN

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

**PICMG Socket-
478 Pentium
4 CPU Card with
Intel Northwood (up to
3.06GHz) + ICH4, DDR SDRAM,
VGA, Intel 10/100Mbps LAN,
AC97 Codec Audio and four USB**



Features

- Supports Intel Pentium® 4 (Northwood) processor up to 3.06Ghz
- On-die 512KB L2 pipelined burst Cache, 400/533MHz front side bus
- 2 x 184-pin DDR Module, supports up to 2GB DDR SDRAM
- Onboard Intel 82845GV VGA Chip with CRT, display function support
- Intel 82562ET 10/100 Base-TX (PHY) Ethernet
- Ultra DMA 33/66/100 IDE
- ISA 64mA High Drive capacity for server and multiple ISA platform
- Supports AC97 2.0 Audio CODEC
- 4 x USB 2.0 ports

CPU

Intel® mPGA478 Pentium® 4 (Northwood) processor on 0.13 micron process up to 3.06GHz, 400/533MHz FSB.

Chipset

Intel® 845G as North Bridge with Intel 82801DB (ICH4) as South Bridge to support CPU speed up to 3.06GHz and Hyper-Threading function.

System Memory

Onboard 2 x 184-pin latching DDR (Double Data Rate) support up to 2GB DDR 200/266 SDRAM.

BIOS

Award® BIOS.

VGA Controller

Built-in Intel 82845G integrated AGP4X Graphics Core into North Bridge, supports CRT & Hyper-threading Technology; shared memory up to 64MB; resolution type: 1280 x 1024.

IDE Interface

2 channels of Ultra DMA 33/66/100 IDE Interface.

Floppy Drive Interface

1 FDD port, supports up to 2 floppy drives.

Expansion Slot

One standard mini PCI socket.

Ethernet

Intel® 82562ET 10/100BASE-TX physical layer capabilities controller.

Audio

Onboard AD1881 AC'97 Codec, Supports Mic In, Line In, Speaker Out, CD Audio In.

Compact Flash

Socket Compact Flash Type I/II socket.

I/O Ports

Serial Ports:	2x Serial ports with COM1 as RS-232 and COM2 as RS-232/422/485 by jumper selectable
Parallel Port:	One bi-direction parallel port supports SPP/ECP/EPP mode
Bus Interface:	PCI/ISA bus (PICMG 2.0)
Universal Serial Bus:	(4) USB 2.0 ports
IR Interface:	1x IrDA by pin-header
Keyboard/Mouse Connector:	Mini-Din PS/2 keyboard/mouse connector

Watchdog Timer

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

Realtime Clock

Internal RTC with Li battery.

Health Monitoring

Controller built-in Intel 82801DB (ICH4) South Bridge Chip; supports power supply voltages, fan speeds and CPU/system temperatures.

Power Requirement

Standard ATX power.

Environment

Operating Temperature: 0°C ~ 60°C
Storage Temperature : -25° ~ 65°C
Humidity : 5% to 95% RH, non-condensing

Dimensions

338 x 122 mm (13.3" x 4.8")

Net Weight

450g (0.99 lb)

Ordering Information

SBC-4903 AN Standard Product

Contact Information

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