

SBC-4212AG2NL

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

**PICMG
Pentium M
with Intel 855GME
Chipset, DDR, Gigabit
LAN, VGA, LVDS, Audio,
USB 2.0, Watchdog Timer, CF
and Mini-AGP interface.**



Features

- Full-size PICMG; Intel Pentium M Processor
- Intel 855GME Chipset, 400 MHz FSB
- Two DDR SDRAM, up to 2GB(ECC)
- Intel 855GME build-in VGA & 24-bit 40-pin LVDS interface
- One Gigabit LAN and one 10/100Mbps LAN
- Intel ICH4 with ALC201A AC97 audio Codec,
- Watchdog Timer and Hardware Monitoring

CPU

Intel Pentium M/ Celeron M FC-PGA478/479; L2 Cache 512KB/1MB/2MB; Front side Bus: 400 MHz; Intel speed step technology and battery mode are not supported.

Chipset

Intel© 855GME+ICH4.

System Memory

(2) 184-pin for DDR 266/333 SDRAM, up to 2GB, ECC memory supported.

BIOS

Phoenix Award® BIOS 4MB, PnP, ACPI supported.

VGA/LCD Controller

Intel 855GME build-in VGA & 24-bit 40-pin LVDS interface up to 1600X1200 resolution.

IDE Interface

(2) EIDE channels.

Expansion Slot

CF type II socket, Mini-AGP.

Ethernet

(1) Intel 82540EM Gigabit LAN; (1) Intel 82562ET 10/100 Mbps LAN.

Audio

ICH4 integrated audio with ALC201A AC97 Codec.

Flash Memory Disk

(1) CF type II socket, up to 1GB flash memory; IDE1 supports DiskOn-Module with +5V power supply.

I/O Ports

Serial Ports:	(2) Serial ports
Parallel Port:	(1) bi-direction parallel port supports SPP/ECP/EPP mode
FDD Port:	(1) FDD port, supports up to (2) FDDs
Universal Serial Bus:	(4) USB 2.0 ports
IR Interface:	(1) IrDA port
GPIO	(1) 12-pin, 8-bit Digital I/O
Keyboard/Mouse Connector:	(1) PS/2 Keyboard/Mouse connector & (1) 5-pin header for AT Keyboard

Watchdog Timer

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

Realtime Clock

Internal RTC with Li battery.

Health Monitoring

Winbond W83627THF, monitoring CPU and system temperature, voltage and fan speed.

Power Requirement

+5V @ 8A, +12V @ 1.5A, (Pentium M 1.6 GHz, 2GB DDR, HDD, CD-ROM).

Environment

Operating Temperature: 0°C ~ 60°C

Storage Temperature : -20° ~ 65°C

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

Dimensions

338 x 122 mm (13.3" x 4.8")

Net Weight

450g (0.99 pounds)

Ordering Information

SBC-4212ANL Full-size Intel® Pentium M PICMG single board computer with onboard VGA, AC97 Audio, LVDS, CF, Mini-AGP, USB2.0, CPU cooler and one 10/100Mbps LAN

SBC-4212AG2NL Full-size Intel® Pentium M PICMG single board computer with onboard VGA, AC97 Audio, LVDS, CF, Mini-AGP, USB2.0, CPU cooler, one 10/100Mbps LAN, and secondary Gigabit LAN