

**PICMG LGA775
Pentium 4 with Intel
915GV Chipset, DDR
II SDRAM, ICH6R SATA,
Gigabit LAN, VGA, DVI, GPIO,
Audio, USB 2.0, CF socket and
WDT.**



Features

- Full-size PICMG; Intel LGA775 Pentium 4 Processor with Hyper-Threading Technology
- Intel 915GV Chipset, 800/533MHz FSB
- Four DDRII 400/533 SDRAM, up to 4GB
- Intel 915GV VGA & Chrontel DVI interface
- Three Gigabit LAN or one 10/100Mbps LAN
- ICH6R integrated audio with ALC201A AC97 Codec,
- Four Serial ATA ports support RAID 0,1 and Intel Matrix Storage Technology
- Watchdog Timer and Hardware Monitoring

CPU

Intel® Pentium 4/ Celeron D LGA 775; L2 Cache 256K/1MB; Front side Bus: 800/533 MHz; Intel Hyper-Threading Technology

Chipset

Intel® 915GV + ICH6R.

System Memory

(4) 240-pin for DDRII 400/533 SDRAM, up to 4GB.

BIOS

Phoenix Award BIOS 4MB, ACPI support.

VGA Controller

Intel 915GV build in GMA 900 VGA & Chrontel DVI interfacet.

IDE/SATA Interface

(1) EIDE channels, (4) Serial ATA ports.

Expansion Slots

CF type II socket, IDE1 supports DiskOnModule with +5V power supply

Bus Interface

PCI/ISA bus (PICMG 1.0 Rev. 2.0) PCI Version 2.0 Compliant.

Ethernet

(1) Intel 825562EZ PHY 10/100 Mbps LAN or (3) optional Marvell E8053 PCIE Gigabit LAN.

I/O Ports

| | |
|---------------------------|---|
| Serial Ports: | (1) RS-232/422/485 port and (1) RS-232 port |
| Parallel Port: | (1) bi-directional 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) SIR |
| GPIO: | (1) 8-bit Digital I/O Interface |
| Keyboard/Mouse Connector: | (1) PS/2 Keyboard & Mouse and (1) 5-pin Header for 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 @ 6.5A, +12V @ 10.5A (P4 3.2 GHz, 2GB DDR II).

Environment

Operating Temperature: 0°C ~ 60°C

Storage Temperature : -20° ~ 85°C

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

Dimensions

338 x 122 mm (13.3" x 4.8")

Ordering Information

| | |
|--------------|---|
| SBC-4205AN | Full-size Intel® Pentium 4 PICMG single board computer with LGA775, DDR2, AC97 Audio, CF, USB2.0, DVI, one 10/100Mbps LAN |
| SBC-4205A3GN | Full-size Intel® Pentium 4 PICMG single board computer with LGA775, DDR2, AC97 Audio, CF, USB2.0, DVI, 3 x Gigabit LAN |