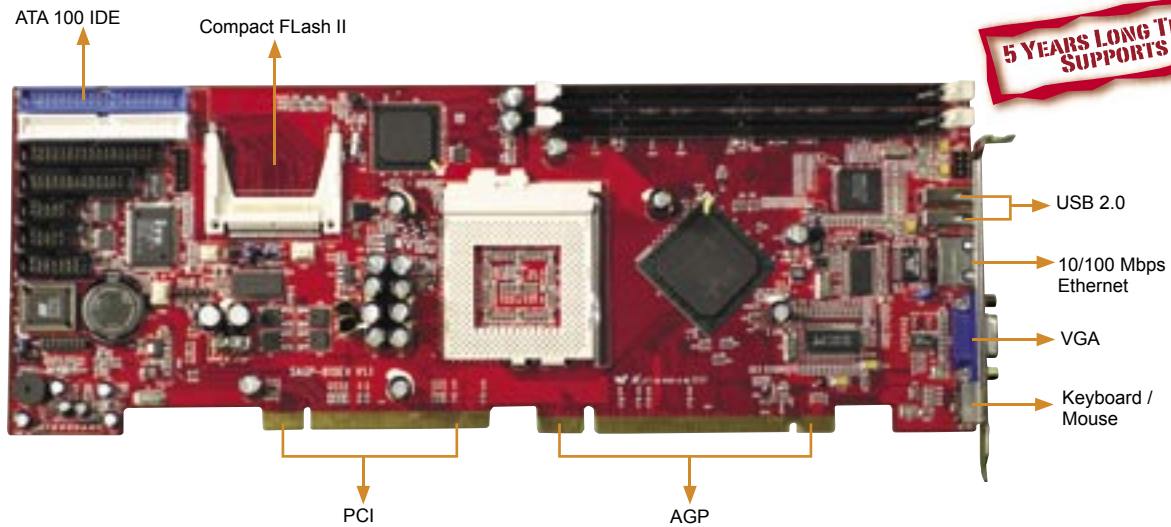


# SAGP-815EV

PIAGP Socket-370 Based CPU board with AGP 4X Bus, LAN, USB2.0 & Audio



PIAGP Series

## SPECIFICATIONS

AGP8X USB 2.0

### What is AGP ?

AGP(Accelerated Graphics Port) is a bus interface targeted for high-performance 3D graphics. AGP supports only memory read/write operation and single-master single-slave one-to-one only. AGP uses both rising and falling edge of the 66MHz clock, for 2X AGP, the data transfer rate is 66MHz x 4byte x 2 = 528MB/s. AGP is now moving to 8X mode, 66MHz x 4byte x 8 = 2.1GB/s.

As for the detail information please refer the Accelerated Graphics Port Implementors Forum's web site [www.agpforum.org](http://www.agpforum.org)

#### AGP version comparison Table :

Model Name	AGP 1.0	AGP 2.0	AGP 3.0
Signaling	3.3V signaling	1.5V Signaling	0.8V Signaling
0.8V Signaling	Pipelined transactions +Source synchronous clocking	AGP1.0 + Fast Writes	AGP2.0
Speeds	2X, 1X	4X, 2X, 1X	8X, 4X
Connector	3.3V keyed	1.5V keyed, Universal	1.5V keyed, Universal
IEI' s SAGP Products	--	SAGP-815EV SAGP-845EV	SAGP-648E

- ◆ CPU: Supports Intel Coppermine/Tualatin socket 370 series Pentium III and Celeron CPU with 66/100/133MHz FSB
- ◆ System Chipset: Intel 815E B stepping chipset
- ◆ System Memory: 2x 168-pin SDRAM socket maximum up to 512MB
- ◆ Display:
  - Built-in FW82815 chip
  - Bus: AGP 4X, 66MHz (When you plug-in AGP VGA card with the SAGP-815EV CPU Board
  - will automatically disable the Internal VGA function of SAGP-815EV)
  - V-RAM: Shared with system memory (DVMT technology)
  - Resolution: Up to 1600x1200@8bit color
  - Connector: DB-15 for CRT display
- ◆ SSD: 1x Compact Flash™ Type II socket for CF disk or IBM Microdrive
- ◆ Audio: Onboard C-Media CMI8738 5.1 channel audio chip
- ◆ Ethernet: Onboard 10/100Mbps Fast Ethernet controller (82562ET PHY)
- ◆ I/O:
  - 2x RS-232 serial ports by pin header (16C550 UARTs compatible)
  - 1x PS/2 connector for keyboard/mouse
  - 1x LPT parallel port by pin header (supports SPP/EPP/ECP mode)
  - 1x IrDA (SIR Mode)
  - 4x USB 2.0 ports
  - 2x ATA/100 IDE channel supports CD-ROM, ZIP and LS-120 drive bootable
  - 1x FDD connector, support 1.44/2.88MB and 3-Mode
- ◆ WDT: Software programmable supports 1~255 seconds system reset
- ◆ Hardware Monitoring: Provides CPU Vcore, Vcc, CPU/System fan speed and temperature detecting function.
- ◆ ATX Power control function: Meets ACPI 1.1 specification, comes with external power connector of 5V input
- ◆ Power Consumption: 5V@7.6A, 12V@230mA (Intel 1GHz CPU with 256MB memory)
- ◆ Operating Temperature: 0~60°C
- ◆ Relative Humidity: 5~95%, non-condensing

## ORDERING INFORMATION

- **SAGP-815EV** PIAGP Socket-370 Based CPU Board with AGP 4X, LAN USB2.0 & Audio
- **PISA-KIT01** PCI-to-ISA Bridge Module