

SAGP-845EV

PIAGP® Socket-478 Based CPU Board

Supports Hyper-Threading Technology

FSB 533

DDR 266/333



Compact Flash

ATX 12V

USB 2.0

10/100 Mbps Ethernet

VGA

Keyboard / Mouse

PCI

AGP



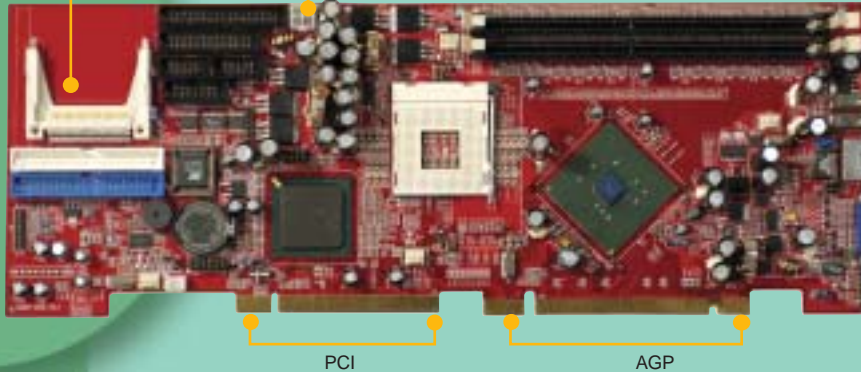
CF-513

Copper base high performance cooling fan (Ordered separately)



CF-512

High performance cooling fan (Ordered separately)



SPECIFICATIONS

USB 2.0

AGP4X



Hyper-Threading Technology Benefits

Intel Hyper-Threading Technology improves the utilization of onboard resources so that a second thread can be processed in the same processor. Hyper-Threading Technology provides two logical processors in a single processor package.

Hyper-Threading Technology offers

- improved overall system performance
- increased number of users a platform can support
- improved reaction and response time because tasks can be run on separate threads
- increased number of transaction that can be executed
- compatibility with existing IA-32 software

Code written for dual-processor (DP) and multi-processor (MP) systems is compatible with Intel Hyper-Threading Technology-enabled platforms. A Hyper-Threading Technology-enabled system will automatically process multiple threads of multi-threaded code. (Data provided from Intel Corp.)

Intel® Supported HT Chipsets List :

Intel® 850E/845GE/845PE/ 845GV/ 845G/ 845E chipset

IEI® SBC Support HT List :

| Model Name | Chipset and version | BIOS Version |
|--------------|---------------------|--------------|
| NOVA-8890 | Intel 845G/GV (B1) | V1.0 |
| POS-478 | Intel 845G/GV (B1) | V1.0 |
| PSB-4710 | Intel 845G/GV (B1) | V1.2 |
| ROCKY-4783EV | SIS 650 (B) | V1.2 |
| ROCKY-4784 | Intel 845E (A1) | V1.1 |
| SAGP-648E | SIS 648 (B) | V1.0 |
| SAGP-845EV | Intel 845G (B1) | V1.1 |

Note: Due to the limitation of SiS chipset 648 and 650 there will be some circumstances when Intel® Pentium® 4 Processor with Hyper-Threading Technology is applied and enabled.

- CPU: Socket-478 base supports Intel® Pentium® 4/Celeron™ up to 533MHz FSB
- System Chipset: Intel® 845G/GE chipset (with ICH4)
- System Memory: Support 200/266/(845GE) 333MHz DDR SDRAM, maximum up to 2GB
- Display: - Integrated in Intel® 845G chipset
 - Bus: AGP 4X (When plug-in AGP VGA card with the SAGP-845EV CPU Board will automatically disable the SAGP-845EV's internal VGA function)
 - V-RAM: Shared with system memory (DVMT technology)
 - Resolution: Up to 2048x1536@60MHz refresh rate (Analog)
 - Connector: DB-15 for CRT display
- SSD: 1x Compact Flash™ Type II socket
- Ethernet: Onboard 10/100Mbps Fast Ethernet controller (82562ET PHY)
- Audio: Onboard C-Media CMI8738 5.1 channel audio chip
- I/O: - 2x ATA/100 IDE channels support CD-ROM, ZIP and LS-120 bootable
 - 4x USB 2.0 ports
 - 1x FDD channel supports 1.44/2.88MB and 3-Mode
 - 2x RS-232 serial ports by pin header (16C550 UARTs compatible)
 - 1x LPT parallel port supports SPP/ECP/EPP mode
 - 1x IrDA (SIR Mode)
 - 1x PS/2 connector for keyboard/mouse
- 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
- Power Consumption: +5V@7A; +12V@4A (Intel P4 2.4G with 512K L2; 512MB DDR SDRAM)
- Operating Temperature: 0~60°C
- Relative Humidity: 5~95%, non-condensing

Note: AGP 2X only support 1.5V

ORDERING INFORMATION

| | |
|-------------------|--|
| SAGP-845EV | PIAGP Socket-478 Based CPU Board |
| CF-512 | CPU cooling fan support P4 CPU up to 2.5GHz |
| CF-513 | CPU cooling fan support P4 CPU up to 3.06GHz |
| PISA-KIT01 | PCI-to-ISA Bridge Module |