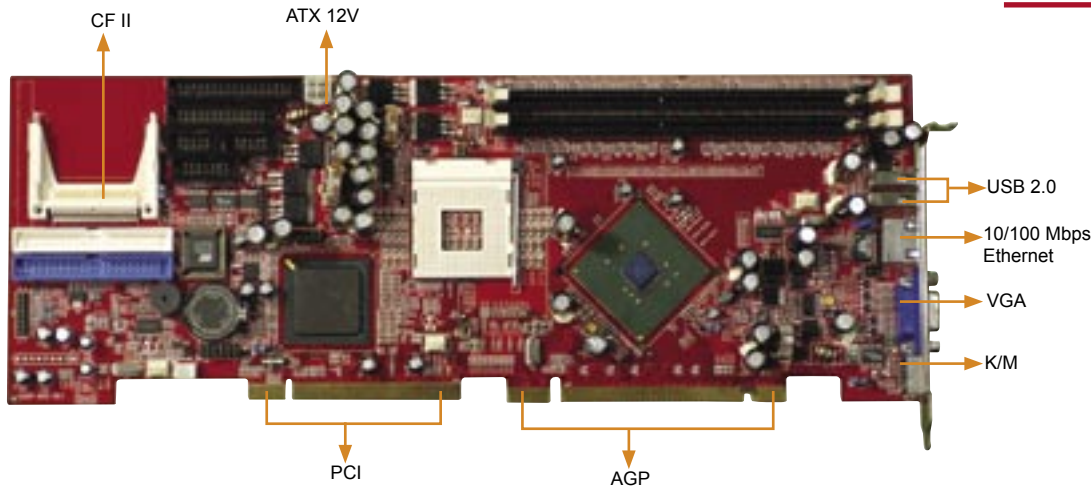


SAGP-845

PIAGP Socket 478 533MHz FSB Based CPU Card with VGA, LAN, USB 2.0 & Audio

Long Term Supports



Single Board Computer

PIAGP Series
PICMG
Half-Size
Industrial Motherboard
5.25" NOVA
EPIC NANO
3.5" WAFER
ETX
PC/104
Add-on Card
IVC Card
Backplane

LCD Product Series

Chassis

Power supply

Peripheral

DDR 333

FSB 533

AGP 4X



Specifications

| | |
|-----------------------------------|---|
| CPU | Socket-478 base supports Intel® Pentium® 4-M / P4 / Celeron™ up to 533MHz FSB |
| System Chipset | Intel 845G/GE + ICH4 |
| System Memory | Support 200/266/(845GE) 333MHz DDR SDRAM, maximum up to 2GB |
| Display | <ul style="list-style-type: none"> Integrated-in Intel 845G chipset Bus: AGP 4X, 66MHz(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 (DVT 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 | <ul style="list-style-type: none"> 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 512MB DDR SDRAM) +5V@4A; +12V@3A (Intel P4-M 2.5G with 512MB DDR SDRAM) |
| Operating Temperature | 0~60°C |
| Relative Humidity | 5~95%, non-condensing |
| Note | AGP 2X only support 1.5V |
| GW | 1.1kg |

IEI Option

- **CF-512** P4 Cooler for SAGP-845EV, up to 2.5GHz P4
- **CF-513** P4 Cooler for SAGP-845EV, up to 3.06GHz P4
- **CF-515** Pentium4-M CPU Cooler
- **PISA-KIT-01** PCI to ISA bridge module

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Feature

- Intel P4 / P4-M CPU support upto FSB 533 MHz
- PIAGP interface supports AGP 4X add-on card
- DDR266 SDRAM memory support
- LAN, USB 2.0, Audio integrated

Tech Talk

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 875P/865G/865GV/865PE/865P/848P/850E/845GE/845PE/ 845GV/ 845G/ 845E chipsets

Intel Pentium 4 Processor supports Hyper-Threading technology

| | |
|--|--|
| Speeds Supporting Hyper-Threading Technology | 800 MHz system bus: 3.20, 3.0, 2.80, 2.60, 2.40 GHz |
| | 533 MHz system bus: 3.06 GHz |
| Other Available Speeds | 533 MHz system bus: 2.80, 2.66, 2.53, 2.40, 2.26 GHz |
| | 400 MHz system bus: 2.60, 2.50, 2.40, 2.20, 2.0 GHz |

Ordering Information

● SAGP-845MEV

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