

PSVA

Dual 133 : 133 FSB and PC133 memory



VIA 694X + 686A

**Slot 1 CPU in 66MHz/
100MHz/ 133MHz FSB**

**PC133 and support memory
space up to 1.5 GB SDRAM**

Supports AGP2.0 4X modes

IDE UltraDMA 33/66 disk

**Optional Creative PCI Audio
on board**

Supports Hardware Monitor

**RioworksTM SmartWatchTM
server management**

PSVA, the ATX form factor based Slot-1 motherboard, features VIA Apollo Pro 133A chipset. As the high performance chipset built in, PSVA supports Intel[®] Pentium[™] 300~800+ MHz II/III/Coppermine processors with Front Side Bus (FSB) of 66/100/133 MHz.

In the AGP bus performance, it fully supports AGP 4X mode and the maximum bandwidth can be up to 1066 MB/s. SDRAM and VCM DRAM can be applied to the PSVA and the maximum memory size can be up to 1.5GB according to different customer's requirements. The optional Creative[®] CT5880 chipset creates the high performance and quality stereo sound. PSVA will provide an excellent cost/performance platform for server/workstation.

Features / Benefits

Single Pentium II / III CPU Solution

PSVA supports Pentium III Coppermine processors and Pentium II Katmai processors.

PC 66 / 100 / 133 Memory Solution

This three DIMM slots bring the customer best investment interest without any transition penalty. PSVA can support high performance PC133 SDRAM or utilize current PC100 without any technology inconsistency or resources wastage.

AGP4X Slot

PSVA provides an AGP 4X connector, which provides wide selections of advanced 3D graphics cards.

Additional Expansion Slots

PSVA Includes four 32-bit PCI, one ISA and one ISA/AMR expansion slots. The PCI local bus throughput can be up to 132 MB/s, and the Audio/Modem Riser (AMR) slot can support AMR interface for Modem card.

PC'99 Compliant Color-Coding I/O Connectors

These colored serial/parallel/USB/ keyboard (PS/2)/ mouse (PS/2) and optional audio (line-in/line-out/MIC in)/game connectors will make your system installation and maintenance with less fuss.

UltraDMA 66

UltraDMA 66 will double the transfer bandwidth of today's IDE devices, up to 132MB/s, as well as support the backward compatible UltraDMA/33 IDE devices.

Hardware Monitor and System Management

Integrated hardware monitoring of fans, temperature/thermal, voltage and chassis intrusion, Rioworks™ SmartWatch™ will notify the critical status of system events to prevent from the system data loss or abnormal system down.

Optional Creative PCI Audio

PSVA equips with Creative AC97 digital controller, CT5880 chip. This Audio chip includes a complete audio recording and playback system. It supports 128 voice wavetable synthesis feature. The S/PDIF output mode is capable of providing digital audio to external four speakers, or compressed AC3 data to external Dolby Digital decoder.

Specification

Processor

Support single Pentium II/III Processor (300~800+ MHz)

Chipset

VIA Apollo Pro133A 686A+694X
Support 66/100/133 MHz FSB and PC66/100/133 system memory
Support AGP 4X
Supports ultra DMA 33/66 EIDE
Support overclocking 150 FSB or higher

System BIOS

Award 2 Mb Flash EEPROM BIOS
Jumper Free Setting by S/W
V-core and CPU Host Bus Frequency Setting Table
Full ACPI, DMI, Green, PnP Compliance

System Memory

Three 168pin DIMM sockets up to 1.5GB system memory
Advanced ECC memory Controller supporting SDRAM, VCM, EDO and FP RAM

Onboard Multi I/O

Two serial ports with UART 16550
One parallel port with ECP/EPP support
Dual onboard USB connectors
PS/2 mouse and keyboard connectors with Wake-up function
*Option: One Game Port and Line In/ Line Out/ Mic In audio jacks

Hardware monitor and System management

Hardware monitor of CPU Thermal Protect, CPU/System Fan monitor, Voltage Report, Power supply Voltage, Chassis Intrusion
Rioworks™ SmartWatch™ to alert the event of hardware problem
Prevent from abnormal system down/data loss

Expansion Slots

4x32bit PCI, 1x AGP(2x/4x), 1xISA, 1xISA/AMR slots

ATX Power Connector

3V, 5V, 5VSB and 12V 20-pin ATX Power Connector
Supports Soft Power Off and Keyboard Power On
Wake on LAN, Modem, Keyboard, Mouse and RTC Timer

CD Contents

Award BIOS Update Utility
Rioworks™ SmartWatch™ Utility (Hardware Health Monitor with Alarm Setting). Monitor CPU Temperature/ Voltage and Fan Speed
Creative CT5880 SoundBlaster™ PCI 128 4spk Audio Driver
VIA 4-in-1 Driver (IDE, IRQ Routing, AGP VxD, VIA Registry)
Optional AMRS-MC Modem Card Driver

Board Size

ATX form factor with size: 12" x 7.5"

The specification is subject to change without notice.

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