SiS550/551/552   The SOC Enabler

Integrated x86 / MMX Compatible CPU

Superscalar Execution / Pipelined Floating Point Unit

Three Superpipelined Integer Units

Integrated DRAM Controller

Supports up to 2 DIMMs , 1 GB , PC133 SDRAM

PCI 2.2 Specification Compliant

Supports up to 3 external PCI Masters

Fast PCI IDE Master/Slave Controller

Supports Ultra DMA 33/66/100

Integrated Ultra-AGP™ VGA for Hardware 2D/Video/Graphics Accelerators

AGP 4X Compliant / Fully DirectX 8 Compliant

Supports Shared System Memory up to 128 MB

128-Bit 2D Engine with a Full Instruction Set

Supports Advanced H/W DVD Accelerator

2 Independent Overlay Windows with Blending/Scaling Functions

Supports OSD/PIP/EPG and Dual View functions

Built-In DVI / DSTN / VIP interface

Cooperates with "SiS301 Video Bridge" to support NTSC/PAL TV / Digital LCD

  Monitor / Secondary CRT Monitor output

Advanced PCI H/W Audio & S/W Modem

H/W DirectSound™ accelerator

Advanced DLS-2 compliant Wavetable Synthesizer

Compliant with AC97 V2.1

Full-Duplex Telephony & Modem Support

5.1-channels Audio Output / Consumer Digital Audio Interface

Advanced Power Management

Meets ACPI 1.0 / APM 1.2 Requirements

PCI Bus Power Management Interface Spec. 1.0

Integrated CIR Controller

Supports programmable ASK serial communication protocol

Supports 7 kinds of decoders , H/W power on/off ability

Integrated Smart Card Controller

Compliant with Personal Computer Smart Card Working Group standard

Compliant with smart card (ISO 7816) protocols

\# Supports card present detect / insertion power on

Integrated Memory Stick / USB1.1 Host / Parallel Port / Keyboard Controller

Integrated LPC / Flash ROM interface

Meets PC99a Requirements

1.9V Core with Mixed 3.3V and 5V I/O CMOS Technology

Fan-free Low Power Consumption design

Software Total Solution support for Linux / Windows CE