



## SiS741GX Chipset

The Integrated Mirage™ Graphics Chipset  
for AMD Athlon™ XP FSB333

Mirage  
Graphics

USB 2.0

Overview

Key Features

Features & Benefits

The SiS741GX IGUI Host Memory Controller integrates a high performance host interface for AMD Athlon™ XP, a high performance Mirage™ Graphic Engine, a high performance memory controller, and AGP 8X interface, and SiS MuTIOL® 1G Technology connecting w/ SiS 963L / SiS964 MuTIOL® Media I/O.

The SiS741GX chipset features a SiS Mirage™ Graphic, an AGP8X port, and a Shared Memory Architecture DDR333 unified memory controller, supporting AMD Athlon™ XP microprocessors series with FSB up to 333MHz. It also integrates a high performance 2.7GB/s DDR333 Memory controller to sustain the bandwidth demand from the integrated GUI or external AGP master, host processor, as well as the multi I/O masters. The integrated Mirage™ Graphics features a 256 bit 3D, & a 128 bit 2D Graphics engine, a video accelerator, a MPEG1/II motion compensation decoder, and a video link (Muxed with AGP port) to support the TV-out & digital flat panel. In addition to integrated GUI, SiS741GX also can support external AGP slot with AGP 8X/4X capability and Fast Write Transactions.

SiS MuTIOL® technology is developed into three layers, the Multi-Threaded I/O Link Layer delivering 1.2 GB/s bandwidth to connect embedded DMA Master devices and external PCI masters to interface to Multi-Threaded I/O Link Layer, the Multi-Threaded I/O Link Encoder/Decoder in SiS 963L / SiS964 to transfer data with 1GB/s bandwidth from/to Multi-Threaded I/O Link Layer to/from SiS741GX, and the Multi-Threaded I/O Link Encoder/Decoder in SiS741GX to transfer data with 1GB/s from/to memory sub-system to/from the Multi-Threaded I/O Link Encoder/Decoder in SiS 963L / SiS964.

### **Host Interface**

- Supports AMD Athlon™ XP processor
- Supports FSB up to 333MHz

### **Memory controller**

- Supports maximum 3 DDR333/266 DIMMs, and provides bandwidth up to 2.7GB/s.
- Supports up to 3GB Memory size.
- Supports STR(Suspend-to-RAM)

### **AGP8X Graphics Interface**

- AGP v3.0 Compliant
- Supports AGP 8X/4X Interface with Fast Write Transaction

### **Integrated Mirage™ Graphic**

- Built-in a High Performance 256 bit 3D Engine

### **SiS Ultra-AGP™ Technology**

- Successor of Ultra-AGP™ Technology
- Double the bandwidth up to 2.7GB/s with DDR333

### **SiS MuTIOL® 1G Delivering 1GB/s Bandwidth**

- Proprietary Interconnect between SiS741GX and SiS963L
- Bi-Directional 16-bit Data Bus at 533MHz Operating Frequency

✍ [Back to our motherboards / mainboards sales page](#)  
✍ [Orpheus Computing custom computers & computer upgrades sales main page](#)