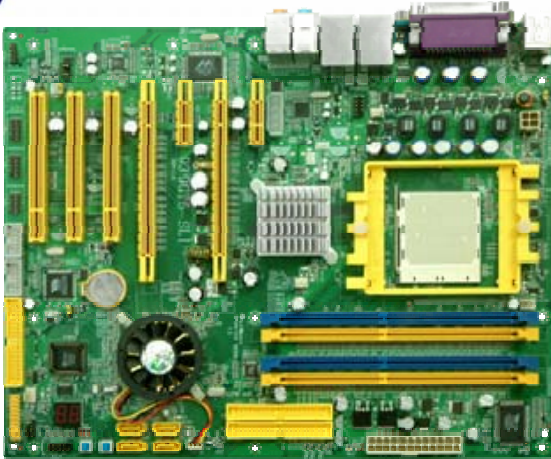


Mainboard Diagram



939GT5-SLI-LF

- NVIDIA nForce™4 C51D + nForce™4 SLI MCH Chipset
- Support 64-bit dual core AMD Athlon™64 X2 processor
- Support HTT 1000MHz & Nvidia SLI x16 Platform
- Dual PCI-Express x16 Slots @ Full 16-LANE Bandwidth
- Dual Channel DDR400 Memory DIMMs
- Support 4 Serial ATA2 Devices with RAID 0, 1, 0+1
- Support NV Firewall
- Dual Gigabit LAN Supported
- AC'97 8 Channel Audio CODEC
- Embedded IEEE 1394a
- 4-PHASE PWM / DeBUG Port / CPU Vcore 16-Shift
- ATX Form Factor



Features and Benefits

64-bit AMD Athlon™ 64 Processor with HyperTransport™ Technology

AMD64, a revolutionary technology allowing the processor to run 32-bit applications at full speed while enabling a new generation of powerful 64-bit software applications. HyperTransport™ technology can increase overall system performance by removing I/O bottlenecks, increasing system bandwidth, and reducing system latency.

NVIDIA nForce™4 C51D Chipset and nForce4 SLI MCP Chipset / NVIDIA SLI x16 Platforms

NVIDIA nForce4 C51D and nForce4 SLI MCH Chipsets based PCs feature the latest SLI x16 PCI-Express™ bus technology and deliver high performance, single-chip, low latency architecture of the NVIDIA nForce4 chipset series which offer one of the industry's advanced core-logic solutions with qualified performance and the latest technologies—PCI Express, secure high-speed networking, and high-performance storage—and ensures that your PC stays ready for the newest games, future applications, and next-generation PC specifications

CPU Thermal Throttling / The Anti-superheated CPU protection Technology

To prevent the increasing heat from damaging of CPU while the activation of the Bi-turbo technology, the CPU Thermal Throttling Technology will make CPU be idling from 87.5% to 12.5% by manually preset CPU operating temperature from 40°C to 90°C. When the system senses the climbing operating temperature of CPU over the value preset, CPU Thermal Throttling Technology will narrow the operating bandwidth of CPU actively to low down the temperature to the value preset as the perfect protection system of hardware dynamic over-clocking technology.

Pro Magic Plus System Recovery Software Embedded

Restore important data back right away, allowing your system to be operated under a safe environment. This amazing software not only provides convenient instant restoration, but also brings data back to the preferred state at any specific time point as you wish. Moreover, it combines several other functions such as anti-virus, backup software, uninstall software, multi-booting etc. to satisfy your needs of all sorts of system protections. No more worries on new virus or system failure!

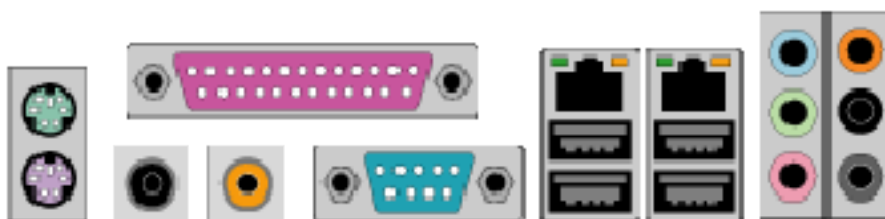
PCI Express Buses

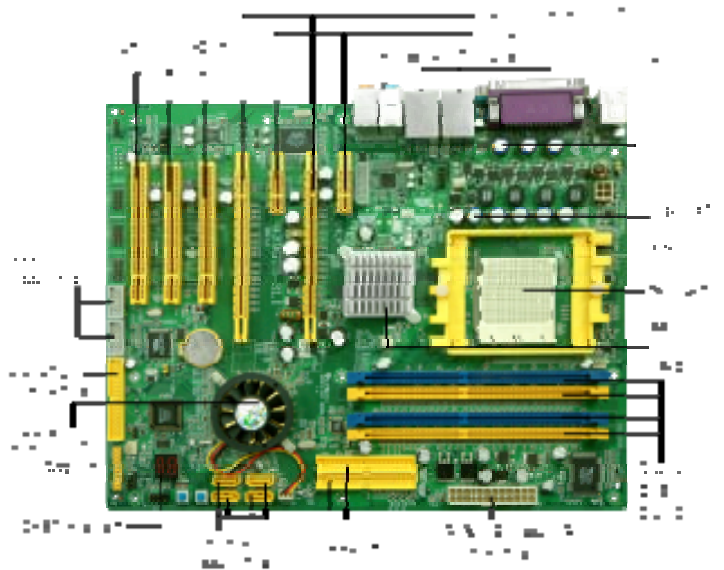
The PCI Express x16 graphics delivers up to 4 GB/s per direction, 3.5 times more bandwidth than AGP8X and up to 8 GB/s concurrent bandwidth. PCI Express x1 I/O offers 500 MB/s concurrently, over 3.5 times more bandwidth than PCI at 133 MB/s, tackling the most demanding multimedia tasks nowadays.

CPU Vcore16-Shift / Shift_to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded in sixteen stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Rear I / O





Mainboard Specifications

■ CPU	<ul style="list-style-type: none"> ■ Socket 939 FSB 1000 AMD® Athlon™64 With HyperTransport Technology ■ Compatible with 64-bit Dual Core AMD® Athlon™64 X2 Processor
■ Chipset	<ul style="list-style-type: none"> ■ NVIDIA nForce™4 C51D Chipset and nForce4 SLI MCP Chipset
■ Memory	<ul style="list-style-type: none"> ■ 4 * 184-pin DIMM Sockets for unbuffered Dual DDR 400 SDRAM up to 4 GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 3 * 32-bit PCI Slots / 2 * PCI EXPRESS x1 / 2 * PCI EXPRESS x16 Slots
■ Storage	<ul style="list-style-type: none"> ■ 4 * Ultra DMA 133 / 100 / 66 IDE Devices Support ■ Embedded nForce™4 SLI MCH Chipset Supports 4 Serial ATA2 HDDs with RAID Functions.
■ Audio	<ul style="list-style-type: none"> ■ Realtek ALC 8-Channel AC 97' Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> ■ Marvel 88E1115 Gigabit LAN PHY & Marvel 88E8053 PCI-E Gigabit LAN
■ USB	<ul style="list-style-type: none"> ■ Embedded 10 * High Speed USB @ 480 Mbit / s
■ Special Features	<ul style="list-style-type: none"> ■ Advanced Power Design that supports the latest Socket-939 K8 CPU ■ "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System
■ Rear Panel I / O	<ul style="list-style-type: none"> ■ 4 * High Speed USB Connectors @ 480 Mbit / s ■ 1 * Serial Port ■ 1 * Parallel Connector ■ 1 * PS / 2 Mouse & 1 * PS/2 Keyboard ■ 2 * RJ45 Connector ■ 1 * SPDIF Coaxial Input & 1 * SPDIF Coaxial Output ■ 1 * Audio I / O ■ 1 * DIY POWER ON & RESET SWITCH
■ Internal I / O	<ul style="list-style-type: none"> ■ 3 * High Speed USB Connectors @ 480 Mbit / s for 6 USB 2.0 Ports ■ CPU / Chassis Fan Connectors ■ 1 * 12V 4-pin ATX Power Connector and 1 * 24-pin ATX Power Connector ■ CD / AUX Audio in ■ 1 * FDD Conectors ■ 2 * IEEE 1394a Conectors ■ 1 * SPDIF Connector and 1 * COM Port Connector
■ BIOS	<ul style="list-style-type: none"> ■ Award 4 MB Flash ROM
■ Form Factor	<ul style="list-style-type: none"> ■ ATX Form Factor