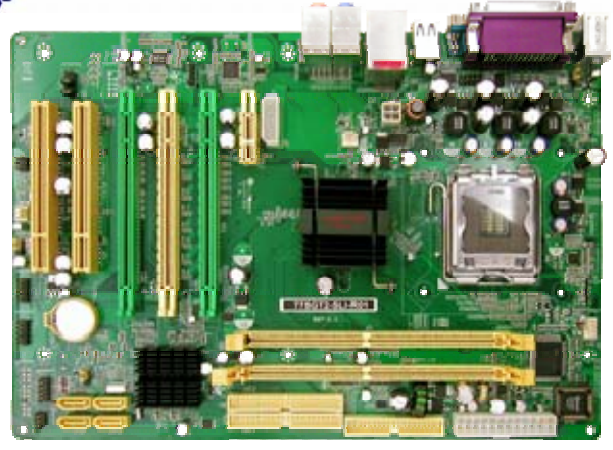## Mainboard Diagram

775GT2- LOG

- NVIDIA nForce 570 SLI Intel Edition + nForce 430 MCP
- Support Intel LGA775 Conroe Processor & Celeron D Processor
- Support FSB 1066MHz
- Support NVIDIA SLI Technology 8-LANE + 8-LANE
- Dual Channel DDR2 667/ 533 Memory DIMMs
- 3 PCI-Express x16 Slots Design
- Support 4 Serial ATA2 Devices with RAID
- 8 USB2.0 Connectors Embedded
- ATX Formfactor

Features and Benefits

LGA775 Intel Core 2 Duo E Series 65nm Processor with Shared 4MB L2 Cache Supported

Innovative design which meets the world's most advanced 65 nanometer Chip-Making Process technology based Intel® Core 2 Duo E6700, E6600, E6400, E6300, E4200 and beyond Processors with and embedded 4MB / 2MB L2 Cache for demanding usage of Home Networking and Game Enthusiasts.

NVIDIA nForce™570 SLI Intel Edition and nForce™430 MCP Chipset

NVIDIA® nForce™570 SLI Intel Edition which offers blistering graphics performance and overall PC performance for both AMD and Intel platforms. With the power of SLI™ technology you get the ability to connect two NVIDIA SLI-Ready PCI Express™ graphics cards for mind-blowing gameplay with brilliant and intensive 3D graphics. The unique low-latency architecture of the NVIDIA nForce 570 SLI that offers one of the industry's best core-logic solution with outstanding performance and the latest technologies—SLI, 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℃ to 90℃. 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.

CPU Smart Fan / The Noise Restrained System

It's never been a good idea to sacrifice the sound effects for gaining the performance you need. CPU Smart Fan Noise Restrained System is the answer to all the noise restrained needed high performance computing system, the system will automatically increase the fan speed when CPU operating loading is high, after the CPU is in normal operating condition, the system will low down the fan speed for the silent operating environment. The system can provide the much longer life cycle for both CPU and the system fans for game use and business requirements.
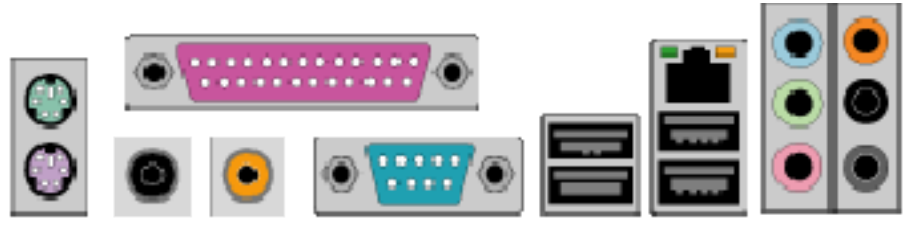
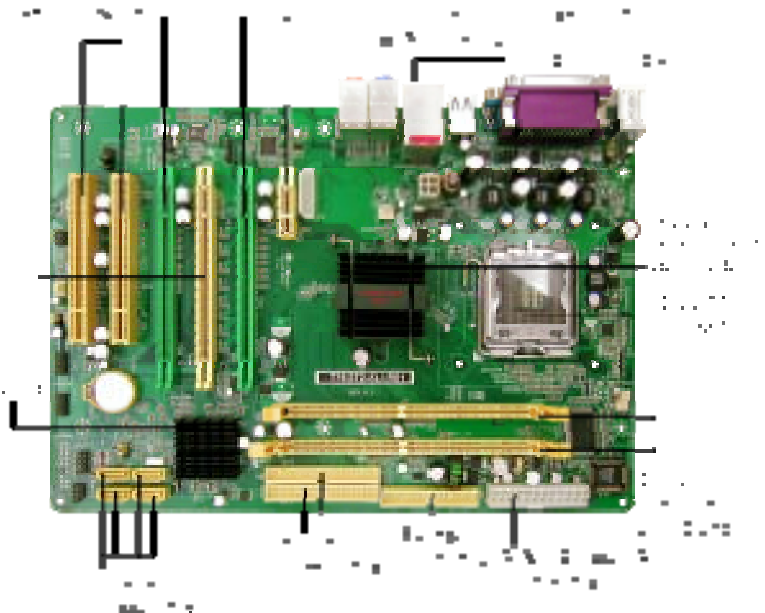### OC-CON high-polymer solid electrolysis aluminum capacitors embedded

The working temperature is from 55 degrees Centigrade below zero to 125 degrees Centigrade, OC_CON capacitors possess superior physical characteristics that can be while reducing the working temperature between 20 degrees Centigrade each time, intact extension 10 times of effective product operation lives, at not rising degrees Centigrade of working temperatures each time a relative one, life of product decline 10% only too.

CPU Vcore Shift / Shift_to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded over 13 stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Rear I / O

Mainboard Specifications

■ CPU	■ LGA 775 Socket for FSB 1066 / 800 / 533 MHz Intel® Core 2 Duo E Series Processor With 4MB Shared L2 Cache (Code Name: Conroe) & Celeron D Processor
■ Chipset	■ nForce™570 SLI Intel Edition + nForce™430 MCP Chipset
■ Memory	■ 2 * 240-pin DIMM Sockets for unbuffered Dual DDR2 667 / 533 / 400 SDRAM up to 2 GB
■ Expansion Slots	■ 3 * 32-bit PCI Slots / 1 * PCI EXPRESS x1 / 3 * PCI EXPRESS x16
■ Storage	■ 4 * Ultra DMA 133 / 100 / 66 / 33 ■ Embedded nForce430 MCP Chipset Supports 4 Serial ATA2 HDDs with RAID Functions.
■ Audio	■ Realtek ALC 8-Channel AC 97' Audio CODEC
■ Ethernet LAN	■ Marvell 88E1116 10 / 100 / 1000 LAN PHY
■ USB	■ Embedded 8 * High Speed USB @ 480 Mbit / s
■ Special Features	■ Advanced Power Design that supports the latest LGA 775 Core 2 E. CPU ■ "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System
■ Rear Panel I / O	■ 2 * High Speed USB Connectors @ 480 Mbit / s ■ 1 * Serial Port ■ 1 * Coaxial Audio In Conn. & 1 * Coaxial Audio out Conn. ■ 1 * PS / 2 Mouse & 1 * PS/2 Keyboard ■ 1 * RJ45 Connector ■ 1 * Audio I / O
■ Internal I / O	■ 2 * High Speed USB Connectors @ 480 Mbit / s for 4 USB 2.0 Ports ■ CPU / Chassis Fan Connectors; 25-pin Parallel connector ■ 1 * 12V 4-pin ATX Power Connector and 1 * 24-pin ATX Power Connector ■ CD / AUX Audio in ■ 1 * Serial Port Header
■ BIOS	■ Award 4 MB Flash ROM
■ Form Factor	■ ATX Form Factor