

Mainboard Diagram



HI02GE

- NVIDIA nForce™ 650i SLI + nForce 430 Chipset
- Support Intel LGA775 Core Processor Family
- 1 PCI Express x16@16-lane; 2 PCI-Ex16@8-Lane
- Support FSB 1333MHz
- Advanced 4-Phase PWM Design
- Dual Channel DDR2 800 Memory DIMMs Supported
- Support 4 Serial ATA2 Devices with RAID 0, 1, 0+1
- Gigabit LAN Supported
- Azalia 8 Channel Audio CODEC
- CPU Vcore 8-Shift
- Embeded Aluminum Heat-pipe Thermal Kit
- 2 IEEE1394 Port
- ATX Form Factor

NVIDIA
NFORCE
650i SLI



Features and Benefits

LGA775 Intel Core Processor Family Supported

The Intel® Core™ processor family delivers unrivaled performance and breakthrough energy efficiency. For your extreme computing, the Intel core processor family delivers unrivaled performance and breakthrough energy efficiency, to let you enjoy revolutionary performance with vivid, high-definition experiences and multi-tasking responsiveness by state-of-the-art Intel dual-core and quad-core technologies (Core 2 Extreme, Core 2 Quad and Core 2 Duo Processors).

NVIDIA nForce™ 650i SLI and nForce 430 / PCI Express MCPs for NVIDIA SLI Platforms

NVIDIA nForce 650i SLI MCPs provide features designed with the gamer in mind. With NVIDIA SLI technology, you can combine two NVIDIA GeForce graphics cards for scalable graphics performance and take advantage of NVIDIA® FirstPacket™ technology to prioritize your gaming traffic. Be ready for system overclocking and greater data throughput.

CPU Thermal Throttling / The Anti-superheated CPU protection Technology

To prevent the increasing heat from damaging of CPU 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 Vcore 8-Shift / Shift_to the scalabilities and flexibilities

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

Debug Port: The Professional Hardware Diagnosis System

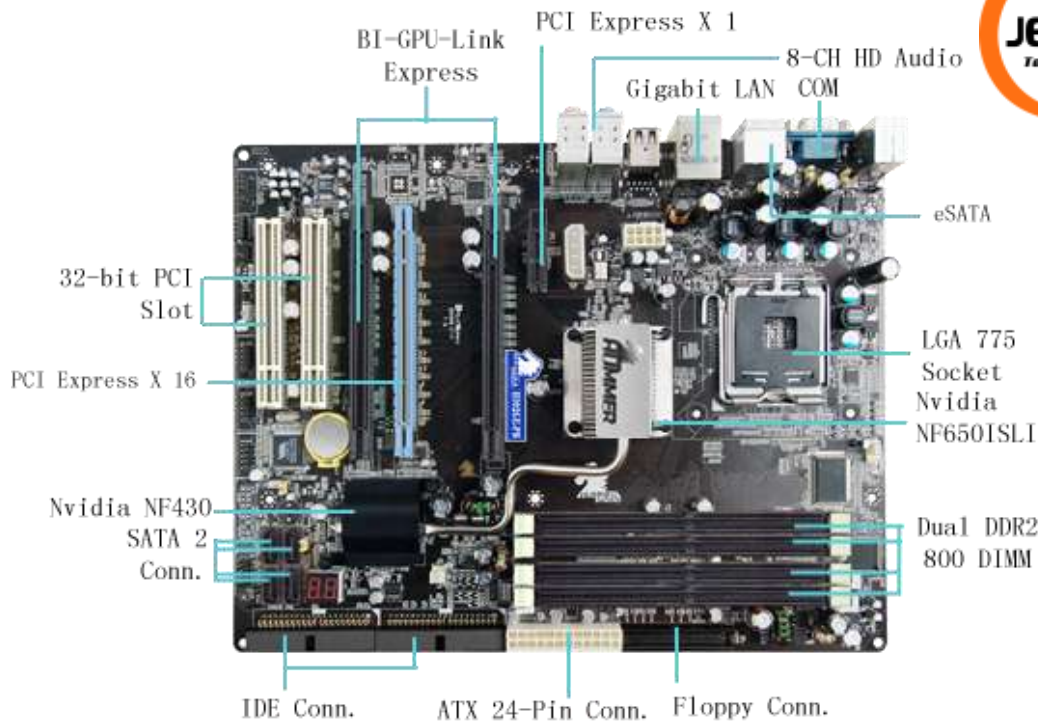
Being bugged of abnormal system failure through the tossed and turned nights no more, the embedded Hardware Debug Port offers you the real-time visual system healthy for the demanding usage of computing. No more bugging by unknown system failure and no more time wasted in the first moment of 24-hour nonstop ping business computing, the embedded Debug Port will turn you into a well training hardware professional with the seeing system situation.

Advanced heat dissipation solution with Heat-Pipe technology

Heat-pipe technology is for transferring heat efficiently between two locations by using the evaporation and condensation of a fluid contained therein which fully reflects the developing direction of future heat radiator, for its prominent effects, low noise, and long life span. The Hummer HI02 series incorporating the aluminum heat-pipe can offer effective heat dissipation impact to ensure the stable running and high performance

Rear I / O





Mainboard Specifications

■ CPU	<ul style="list-style-type: none"> ■ LGA 775 Socket for FSB 1333/1066 / 800 MHz Intel® Core Processor Family (Core 2 Extreme, Core 2 Quad, Core 2 Duo Processors)
■ Chipset	<ul style="list-style-type: none"> ■ nForce™650i SLI + nForce 430 Chipset (C55 SLI + MCP51)Technology
■ Memory	<ul style="list-style-type: none"> ■ 4 * 240-pin DIMM Sockets for unbuffered Dual DDR2 800 SDRAM up to 32GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 2 * 32-bit PCI Slots / 1 * PCI EXPRESS x1 ■ 3 * PCI EXPRESS x16 Slots(1 PCI Express x16@16-lane;2 PCI-Ex16@8-Lane)
■ Storage	<ul style="list-style-type: none"> ■ 4* Ultra DMA 133 / 100 / 66 IDE Devices Support ■ Embedded nForce™650i SLI MCP Chipset Supports 4 Serial ATA2 devices with RAID Functions.
■ Audio	<ul style="list-style-type: none"> ■ Realtek ALC888 8-Channel Azalia Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> ■ Realtek RTL8111B PCI-E Gigabit NIC
■ USB	<ul style="list-style-type: none"> ■ Embedded 8 * High Speed USB @ 480 Mbit / s
■ Special Features	<ul style="list-style-type: none"> ■ Advanced Power Design that supports the latest LGA775 CPU ■ "IMAGE IT!" System Backup Software and "ProMagicPLUS!" System Recovery System
■ Rear Panel I / O	<ul style="list-style-type: none"> ■ 6 * High Speed USB Connectors @ 480 Mbit / s ■ 1 * Serial Port ■ 1 * PS / 2 Mouse & 1 * PS/2 Keyboard ■ 1 * RJ45 Connector ■ 1 * Audio I / O ■ 1 * ESATA port
■ Internal I / O	<ul style="list-style-type: none"> ■ 1 * High Speed USB Connectors @ 480 Mbit / s for 2 USB 2.0 Ports ■ CPU / Chassis Fan Connectors; ■ 1 * 12V 8-pin ATX Power Connector and 1 * 24-pin ATX Power Connector ■ 1 * Large 4-Pin Male 12V Connector ■ CD / AUX Audio in / 1 * IR Header ■ 2 * IEEE 1394a 9-Pin Headers ■ 1 * Debug Port
■ BIOS	<ul style="list-style-type: none"> ■ Award 4 MB Flash ROM
■ Form Factor	<ul style="list-style-type: none"> ■ ATX Form Factor