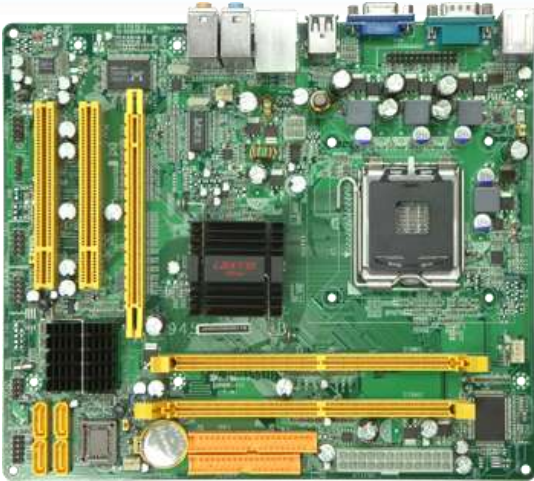


## Main board Diagram



### 945GCDMG

- Intel 945GC Express Chipset + ICH7 ICH Chipset
- Intel LGA775 Conroe Processor
- Support FSB 800 / 533 / 400MHz
- Dual Channel DDR2 533 / 400 Memory DIMMs
- 1 PCI-Express x16 Slot of 16-Lane
- Support 4 Serial ATA2 Devices
- 4+4 USB2.0 Connectors Embedded
- Gigabit LAN Supported
- Azalia HD 8-Channel Audio CODEC
- CPU Vcore 7-Shift & CPU Smart Fan
- Micro ATX Form Factor



## 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.

### INTEL 945GC Express Chipset and ICH7 Chipset

The Intel 945GC Express Chipset which is one of the members of Intel 945 Express Chipset Family that delivers outstanding system performance through high-bandwidth interfaces such as dual-channel DDR2 memory, 800 / 533 MHz system bus, PCI Express\* x16 graphics port at full bandwidth and PCI Express x1 I/O ports, next generation Serial ATA and Hi-Speed USB 2.0 connectivity.

### The new Intel® Graphics Media Accelerator 950

The new Intel® Graphics Media Accelerator 950 (Intel® GMA 950) graphics core is an intelligent and responsive graphics engine built into the chipset that is on the motherboard. This integration provides incredible visual quality.

### 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.

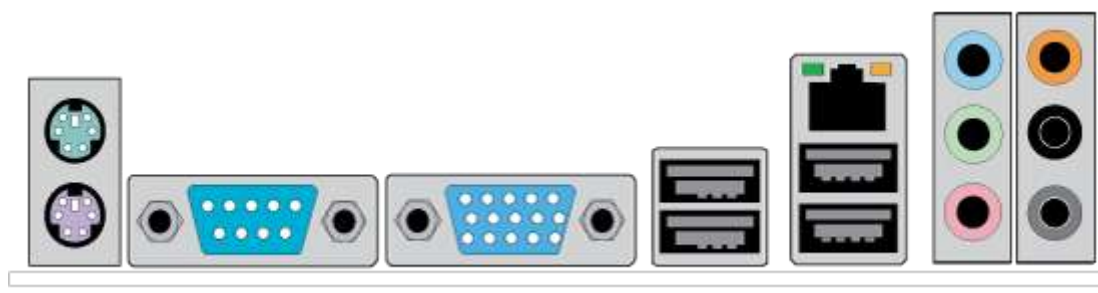
### CPU Vcore Shift / Shift to the scalabilities and flexibilities

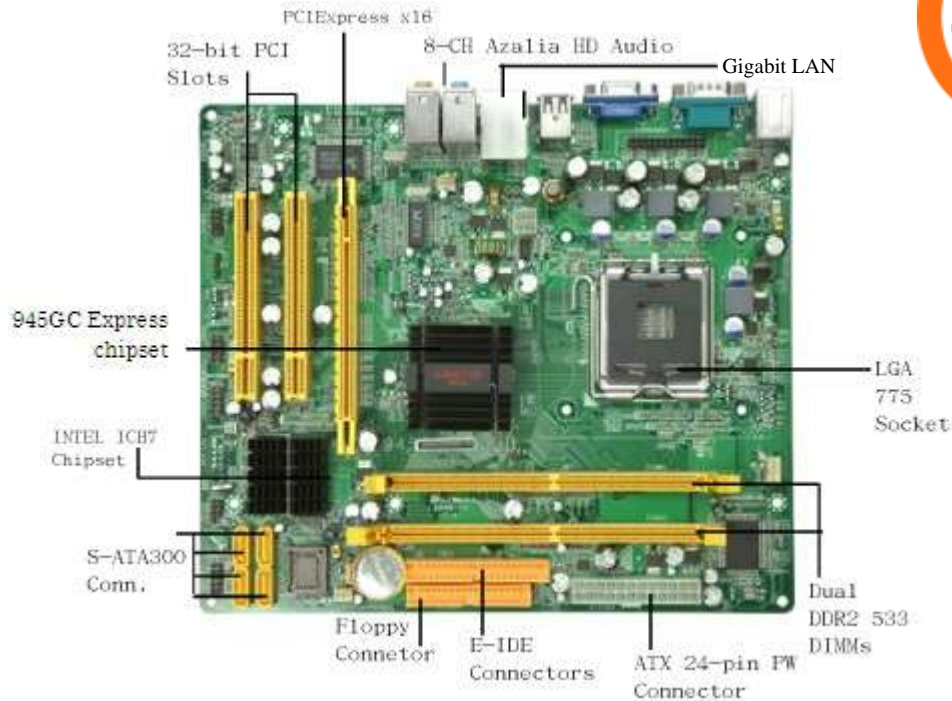
The adjustable voltage for CPU Vcore can be upgraded over 13 stages for the precisely hardware dynamic over-clocking of demanding computing performance.

### 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!

## Rear I / O





## Mainboard Specifications

■ CPU	■ LGA 775 Socket for FSB 800 / 533 MHz Intel® Core 2 Duo E Series Processor With 4MB Shared L2 Cache (Code Name: Conroe)
■ Chipset	■ INTEL 945GC Express Chipset + ICH7 Chipset
■ Memory	■ 2 * 240-pin DIMM Sockets for unbuffered Dual DDR2 533 / 400 SDRAM up to 2 GB
■ Expansion Slots	■ 2 * 32-bit PCI Slots / 1 * PCI EXPRESS x16
■ Storage	<ul style="list-style-type: none"> <li>■ 2 * Ultra DMA 100 / 66 / 33 IDE Devices Support</li> <li>■ Embedded ICH7 Chipset Supports 4 Serial ATA2 HDDs</li> </ul>
■ Audio	■ Realtek ALC880 8-Channel Azalia HD Audio CODEC
■ Ethernet LAN	■ Realtek RT8100SC PCI 10 / 100 LAN
■ USB	■ Embedded 4 + 4 High Speed USB @ 480 Mbit / s
■ Special Features	<ul style="list-style-type: none"> <li>■ Advanced Power Design that supports the latest Intel® Core 2 Duo E Series Processor</li> <li>■ Bi-turbo Tech., CPU Vcore 7-Shift, CPU Smart Fan</li> </ul>
■ Rear Panel I / O	<ul style="list-style-type: none"> <li>■ 4 * High Speed USB Connectors @ 480 M-bit / s</li> <li>■ 1 * Serial COM Port</li> <li>■ 1 * RJ45 Over USB Connector</li> <li>■ 1 * D-Sub 15-pin VGA Connector</li> <li>■ 1 * PS / 2 Mouse &amp; 1 * PS/2 Keyboard</li> <li>■ 1 * Audio I / O</li> </ul>
■ Internal I / O	<ul style="list-style-type: none"> <li>■ 2 * High Speed USB Connectors @ 480 M-bit / s for 4 USB 2.0 Ports</li> <li>■ CPU Fan ( W / Smart Fan Function) / SYS Fan1,2 Connectors</li> <li>■ 1 * 25-pin Parallel connector</li> <li>■ 1 * 12V 4-pin ATX Power Connector and 1 * 24-pin ATX Power Connector</li> <li>■ CD / AUX Audio in</li> <li>■ 1 * Floppy Connector</li> </ul>
■ BIOS	■ Award 4 MB Flash ROM
■ Form Factor	■ Micro ATX Form Factor