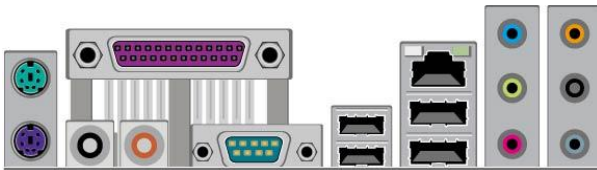


Mainboard Diagram



I31PA

1. Intel P31 Express Chipset + Intel ICH7 Chipset
2. Intel Intel LGA775 Core Processor Family
3. Support FSB 1333MHz
4. Supports Dual Channel DDR2 800/667
5. Support PCI-Express x16 slots Design
6. Integrated Serial ATA2 3Gb/s
7. Integrated Gigabit LAN
8. Integrated ALC883 8 HD Audio CODEC with 8.0 CH
9. CPU Vcore 7-Shift
10. ATX Form Factor

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).

INTEL P31 Express Chipset and ICH7 Chipset

The Intel® P31 Express Chipset supports Intel's upcoming 45nm processors, enabling a scalable discrete platform for value conscious consumers. With a 1333 MHz system bus and DDR2 memory technology, the Intel® P31 Express chipset enables a scalable discrete platform for value conscious consumers.

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.

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.

Mainboard Specifications

■ CPU	<ul style="list-style-type: none"> Supports Intel® Core Processor Family (Core 2 Extreme, Core 2 Quad, Core 2 Duo Processors)
■ FSB	<ul style="list-style-type: none"> FSB 1333 MHz
■ Chipset	<ul style="list-style-type: none"> INTEL P31 Express Chipset + ICH7 Chipset
■ Memory	<ul style="list-style-type: none"> Dual Channel DDR2 memory technology 2 * 240-pin DIMM Slots Supports DDR2 800 / 667 non-ECC ,un-buffered memory Max. 4 GB
■ Expansion Slots	<ul style="list-style-type: none"> 3 * 32-bit PCI Slots 2 * PCI Express x1 1 * PCI Express x16
■ Storage	<p>Embedded INTEL ICH7 Chipset</p> <ul style="list-style-type: none"> Supports 2 * Ultra DMA 100 IDE Devices 4 * Serial ATA2 3Gb/s connectors
■ Audio	<ul style="list-style-type: none"> Realtek ALC883 HD 8-Channel' Audio CODEC
■ Ethernet LAN	<ul style="list-style-type: none"> Marvell 8E8056 PCI-E Gigabit NIC
■ USB	<ul style="list-style-type: none"> Embedded 8 * USB 2.0/1.1
■ Special Features	<ul style="list-style-type: none"> Advanced Power Design that supports the latest LGA 775 Core Processor Embedded OC-CON high-polymer solid electrolysis aluminum capacitors "IMAGE IT!" System Backup Software and "ProMagic PLUS!" System Recovery System
■ Rear Panel I / O	<ul style="list-style-type: none"> 4 * USB 2.0/1.1 ports 1 * PS / 2 Mouse port 1 * PS/2 Keyboard port 1 * RJ-45 port 1* Coaxial In/Out port 1 * Audio I/O port 1 * COM port&1 * Parallel port
■ Internal I / O	<ul style="list-style-type: none"> 2 * USB 2.0/1.1 headers for 4 USB 2.0 ports CPU / Chassis Fan connectors; 1 * 8-pin ATX 12V Power connector 1 * 24-pin ATX Power connector CD / AUX Audio in 1 * HDMI_SPDIF connector 1 * Ultra DMA 133 / 100 / 66 IDE connector 1 * IR connector 1 * SPI-CON connector Front panel audio connector 1 * Serial Port of 9-pin block 1 * Floppy connector
■ BIOS	<ul style="list-style-type: none"> Award 8MB SPI Flash ROM
■ Form Factor	<ul style="list-style-type: none"> ATX Form Factor

