Main board Diagram

945PLCAP

- Intel 945PL 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 Slots Design
- Support 4 Serial ATA2 Devices
- 4+4 USB2.0 Connectors Embedded
- 10 / 100 LAN Supported
- AC'97 8 Channel Audio CODEC
- CPU Vcore 7-Shift, Bi-turbo Tech., CPU Smart Fan
- 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 945PL Express Chipset and ICH7 Chipset

The Intel 945PL 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 and PCI Express x1 I/O ports, next generation Serial ATA and Hi-Speed USB 2.0 connectivity.

Bi-turbo Tech. / the Hardware Dynamic Over Clocking Function

With monitoring the changes of CPU electric current to define the precision activating moment of CPU over-clocking, Jetway Bi-turbo technology offers the flexibilities of hardware dynamic over-clocking with both intelligent automatic mode and power-manual mode for the balance of computing performance and reliability. Without complex settings from system BIOS, Bi-turbo provides the seeing promoted system performance for anyone by simple and intuitional BIOS setting. Besides the adjustments of "Current CPU Clock", Bi-turbo technology offers more flexible ways to choose the over-clocking range the activation of over-clocking by actually CPU hardware loading you defines.
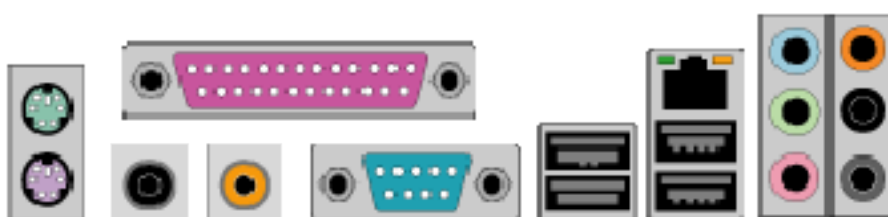
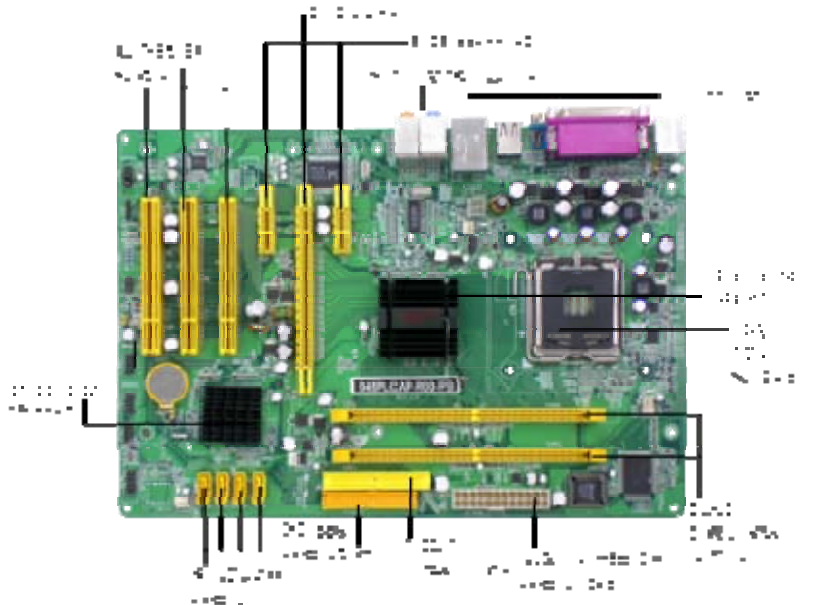### CPU Smart Fan / the Noise Restrained System

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.

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 945PL Express Chipset + ICH7 Chipset
■ Memory	■	2 * 240-pin DIMM Sockets for unbuffered Dual DDR2 533 / 400 SDRAM up to 4 GB
■ Expansion Slots	■	3 * 32-bit PCI Slots / 2 * PCI EXPRESS x1 / 1 * PCI EXPRESS x16
■ Storage	■ ■	2 * Ultra DMA 100 / 66 / 33 IDE Devices Support Embedded ICH7 Chipset Supports 4 Serial ATA2 HDDs
■ Audio	■	Realtek ALC850 8-Channel AC 97' Audio CODEC
■ Ethernet LAN	■	Realtek RT8100C PCI 10 / 100 LAN
■ USB	■	Embedded 4 + 4 High Speed USB @ 480 Mbit / s
■ Special Features	■ ■	Advanced Power Design that supports the latest LGA 775 Pentium D Processor Bi-turbo Tech., CPU Vcore 7-Shift, CPU Smart Fan
■ Rear Panel I / O	■ ■ ■ ■ ■	4 * High Speed USB Connectors @ 480 M-bit / s 1 * Serial Port / 1 * RJ45 Connector 1 * SPDIF Audio Coaxial Out / 1 * SPDIF Audio Coaxial In 1 * Parallel Connector 1 * PS / 2 Mouse & 1 * PS/2 Keyboard, 1 * Audio I / O
■ Internal I / O	■ ■ ■ ■ ■	2 * High Speed USB Connectors @ 480 M-bit / s for 4 USB 2.0 Ports CPU Fan (W / Smart Fan Function) / SYS Fan1,2 Connectors; 25-pin Parallel connector 1 * 12V 4-pin ATX Power Connector and 1 * 24-pin ATX Power Connector CD / AUX Audio in 1 * Floppy Connector
■ BIOS	■	Award 4 MB Flash ROM
■ Form Factor	■	ATX Form Factor