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## P5B-Plus

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Adjust speed as you wish!

- Support Intel® next generation 45nm Multi-core CPU
- Intel LGA775 Platform
- Intel® Core™2 Quad/ Extreme / Core™2 Duo Ready

- Intel® Pentium® Extreme / Pentium® D / Pentium® 4 / Celeron® D

Ready

- Dual-channel DDR2 800/667/533

- AI NOS™ / AI Gear / AI Nap / TPM Support

- All High-quality Conductive Polymer Capacitors

- SATA on the Go / 1394

■ Add to comparison list

## Adjust speed as you wish!

Extreme Performance! Minimum Noise! Maximum Power Saving! The P5B-Plus motherboard supports the most powerful and energy efficient Intel® Core™2 processors. It features the Intel® P965 chipset and supports DDR2 800MHz dual-channel memory architecture. With exclusive innovative tools – AI NOS™, AI Gear and AI Nap – users can adjust operation speed according to their specific needs. The P5B-Plus is a cool and stable platform that delivers extreme performance, minimum noise and maximum power saving!

### AI Lifestyle Series

AI Lifestyle Series motherboards bring lifestyle and personal computing together. They provide you better system performance to enjoy graphic-intensive games and applications. The cutting-edge audio feature dramatically enhances the quality of voice signal. Thoughtful design allows you to set up your system easily. To create a peaceful environment, several new and improved innovations are included to reduce noise and temperature. Don't change your way of life for a computer. Instead let the ASUS Lifestyle Series improve the quality of your life.



### CPU, Chipset and Graphics features

#### LGA775 Intel® 45nm Processor Ready

This motherboard supports the latest Intel 45nm CPU which introduces new micro-architecture features for greater performance at a given frequency, up to 50% larger L2 caches, and expanded power management capabilities for new levels of energy efficiency.



#### LGA775 Intel® Core™2 Processor Ready

This motherboard supports the latest Intel® Core™2 processors in LGA775 package. It also can support Intel® next generation 45nm Multi-Core CPU. With new Intel® Core™ microarchitecture technology and 1333 / 1066 / 800 MHz FSB, Intel® Core™2 processor is one of the most powerful and energy efficient CPU in the world.



#### Intel® P965 Chipset

The Intel® P965 Express Chipset is the latest chipset designed to support maximum 8GB dual-channel DDR2 800/667/533 architecture, 1066/800 FSB (front-side-bus), PCI Express x16 graphics and multi-core CPU. It especially includes Intel® Fast Memory Access Technology that significantly optimizes the use of available memory bandwidth and reduces the latency of the memory accesses.



### Memory Features

#### Dual-Channel DDR2 800

DDR2 is the next generation memory technology to replace the current DDR. With the highest speed up to 800MHz, DDR2 memory provides great performance for 3D graphics and other memory demanding applications.



### ASUS Quiet Thermal Solution

### ■ AI Gear

#### **Optimize performance and quietness as you wish!**

To balance both system performance and quietness, AI Gear allows users to choose from profiles to adjust CPU frequency and vCore voltage, minimizing system noise and power consumption. Users can real-time change the mode under operating system to suit their needs.



AI Gear

### ■ AI Nap

#### **Minimize noise and power consumption when temporarily away**

With AI Nap, users can instantly snooze your PC without terminating the tasks. System will continue operating at minimum power and noise when user is temporarily away. It keeps downloading files or running applications in quietest state while you're sleeping. Simply click keyboard or mouse, you can swiftly wake up the system in few seconds.



AI Nap

### ■ Q-Fan 2

#### **Adjusts both CPU fan and chassis fan speeds according to system loading**

ASUS Q-Fan2 technology intelligently adjusts both CPU fan and chassis fan speeds according to system loading to ensure quiet, cool and efficient operation.



Q-Fan2

## ASUS AI Lifestyle Vista Edition Features

### ■ TPM SUPPORT

#### **Provide secure and protected working environment!**

This motherboard supports the Trusted Platform Module (TPM), which provides you with enhanced data protection, security via high-level encryption / decryption, and ensures platform integrity. The TPM meets the Windows Vista BitLocker™ Drive Encryption hardware requirement for a more secure working environment.



TPM SUPPORT

Notice: The TPM module is purchased separately!

## ASUS EZ DIY



### ■ Q-Connector

#### **Make connection quick and accurate!**

The ASUS Q-Connector allows you to connect or disconnect chassis front panel cables in one easy step with one complete module. This unique adapter eliminates the trouble of plugging in one cable at a time, making connection quick and accurate.



Q-Connector

### ■ O.C. Profile

#### **Conveniently store or load multiple BIOS settings**

#### **Freely share and distribute favorite overclocking settings**

The motherboard features the ASUS O.C. Profile that allows users to conveniently store or load multiple BIOS settings. The BIOS settings can be stored in the CMOS or a separate file, giving users freedom to share and distribute their favorite overclocking settings.



O.C. Profile

### ■ CrashFree BIOS 3

#### **Simply restore corrupted BIOS data from USB flash disk**

The ASUS CrashFree BIOS 3 allows users to restore corrupted BIOS data from a USB flash disk containing the BIOS file. This utility saves users the cost and hassle of buying a replacement BIOS chip.



CrashFree BIOS 3

### ■ EZ Flash 2

#### **Simply update BIOS from a USB flash disk before entering the OS**

EZ Flash 2 is a user-friendly BIOS update utility. Simply launch this tool and update BIOS from a USB flash disk before entering the OS. You can update your BIOS only in a few clicks without preparing an additional floppy diskette or using an OS-based flash utility.



EZ Flash 2

## ASUS Overclocking Tools

## ■ AI NOS™

### **Boost performance when you need it the most!**

Applications such as 3D games and video editing demand a huge chunk of system resource. Inject "nitrous oxide" into your CPU! The patented AI NOS™ (Non-delay Overclocking System) technology

intelligently detects system load and automatically boosts performance for the most demanding tasks. Unlike other dynamic overclocking techniques, AI NOS™ reacts much faster to satisfy your unending need for speeds.



AI NOS

## ■ Precision Tweaker

### **Achieve system maximum performance!**

It offers ways to raise system performance inch-by-inch and step-by-step to achieve maximum performance! This is about getting the most out of your machine and taking pride in your customized computer.

**vDIMM** - Take control of how much power is going into the memory modules. P5B-Plus gives you 14-step voltage control to the DIMM.

**vCore** - Find out "exactly" how much power your CPU needs. Fine-tune it with 0.0125 volts at a time!

**SFS** (Stepless Frequency Selection) allows

- FSB tuning from 100MHz up to 650MHz at 1MHz increment
- Memory tuning from 533MHz up to 1066MHz at 1MHz increment
- PCI Express frequency tuning from 90MHz up to 150MHz at 1MHz increment



Precision Tweaker

## ■ C.P.R. (CPU Parameter Recall)

### **Protect your BIOS data when overclocking.**

When the system hangs due to overclocking failure, there is no need to open the case to clear CMOS data. Just simply restart the system, the BIOS would show the previous setting and then users can amend the CPU setting again.

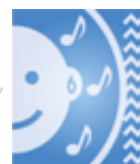


## ASUS Crystal Sound

### ■ Noise Filter

#### **Eliminate background noise while recording**

This feature detects repetitive and stationary noises like computer fans, air conditioners, and other background noises then eliminates it in the incoming audio stream while recording.



Noise Filter

## Other Innovative Features

### ■ MyLogo2

#### **Personalize your system with customizable boot logo**

You can convert your favorite photo into a 256-color boot logo for a more colorful and vivid image on your screen.

## Interface Features

### ■ SATA on the Go

The P5B-Plus supports the next-generation hard drives based on the Serial ATA (SATA) 3Gb/s storage specification, delivering enhanced scalability and doubling the bus bandwidth for high-speed data retrieval and saves. The external SATA port located at the back I/O provides smart setup and hot-plug functions. Easily backup photos, videos and other entertainment contents on external devices.

### ■ Dual RAID

The Intel P965 chipsets incorporate six Serial ATA connectors with high performance RAID functions in RAID 0, 1, 5 and 10. The JMicron controller provides another two Serial ATA connectors for RAID 0, 1, and JBOD functions. This motherboard is the ideal solution to enhance hard disk performance and data back up protection without the cost of add-on cards.

### ■ IEEE 1394a interface

IEEE 1394a interface provides high speed digital interface for audio/video appliances such as digital television, digital video camcorders, storage peripherals & other PC portable devices.

### ■ High Definition Audio

Enjoy high-end sound system on your PC! The onboard 8-channel HD audio (High Definition Audio, previously codenamed Azalia) CODEC enables high-quality 192KHz/24-bit audio output, jack-sensing

feature, retasking functions and multi-streaming technology that simultaneously sends different audio streams to different destinations. You can now talk to your partners on the headphone while playing a multi-channel network games. All of these are done on one computer.

■ **S/PDIF-out on Back I/O Port**

This motherboard provides convenient connectivity to external home theater audio systems via coaxial and optical S/PDIF-out (SONY-PHILIPS Digital Interface) jacks. It allows to transfer digital audio without converting to analog format and keeps the best signal quality.

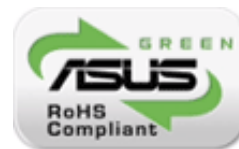
■ **Uses 100% All High-quality Conductive Polymer Capacitors!**

P5B-Plus uses all high-quality conductive polymer capacitors onboard for durability, improved lifespan, and enhanced thermal capacity.

**RoHS**

■ **GreenASUS**

The motherboard and its packaging comply with the European Union's Restriction on the use of Hazardous Substances (RoHS). This is in line with the ASUS vision of creating environment-friendly and recyclable products and packaging to safeguard consumers' health while minimizing the impact on the environment.



Back Panel I/O Ports

## Similar Products



**P5B/TeleSky**



**P5B-E**

Adjust speed as you wish!



**Commando**



**P5B-E Plus**

Uses 100% All High-quality Conductive Polymer Capacitors!

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