**Product Brief**

- Phenom II X6 6-Core CPU Ready
- Supports CPU up to 140W
- Supports ASRock UCC - Unlock CPU Core
- Supports Dual Channel DDR3 1800(OCC)
- Integrated AMD Radeon HD 3300 graphics, DX10 class iGPU, Pixel Shader 4.0
- Multi VGA Output options: D-Sub, DVI-D and HDMI
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), Premium Blu-ray audio support
- Supports ASRock Instant Boot, Instant Flash, OC Tuner, BIOS Flash Utility, AMD Live! Explorer, ASRock Software Suite (CyberLink DVD Suite - OEM and Trial, Creative Sound Blaster X-Fi MB - Trial)

**BIOS Feature**

- 4-Mb AMI Legal BIOS
- Supports "Plug and Play"
- ACPI 1.1 Compliance Wake Up Events
- Supports PnP
- SMBIOS 2.3.1 Support
- VCCM, NB, SB Voltage Multi-adjustment

**Support CD**

- Drivers, Utilities, AntiVirus Software (Trial Version), AMD OverDrive™ Utility, AMD Live! Explorer, ASRock Software Suite (CyberLink DVD Suite - OEM and Trial, Creative Sound Blaster X-Fi MB - Trial)

**Unique Feature**

- ASRock OC Tuner
- Intelligent Energy Saver
- Instant Boot
- ASRock Instant Flash
- ASRock OC DNA
- Hybrid Booster:
  - CPU Frequency Steepness Control
  - ASRock U-Color
  - Boot Failure Guard (B.F.G.)

**Hardware Monitor**

- CPU Temperature Sensing
- Chassis Temperature Sensing
- CPU/Chassis/NB/Power Fan Tachometer
- CPU Quiet Fan
- CPU/Chassis Fan Multi-Speed Control
- Voltage Monitoring: +12V, +5V, +3.3V, 5Vr

**OS**

- Microsoft® Windows® XP / Vista / Vista® 64-bit / XP / XP 64-bit compliant

**Certifications**

- FCC, CE, WHQL
- ErP/EuP Ready (ErP/EuP ready power供应 is required)

**Accessories**

- Quick Installation Guide, Support CD, I/O Shield
- 2 x SATA Data Cables (Optional)
Before -
UCC not enabled, Cores: 4

After -
UCC enabled, Cores: 6

* The success rate of this enhancement depends on the individual CPU.

* The technological implement of Unlock CPU Core may vary by different models.
What is ErP/EuP?
ErP/EuP, stands for Energy Using Product, was a provision regulated by European Union to define the power consumption for the completed system. With the great quantity and the popularity using of the electrical products nowadays and the continuously increasing of the electrical products categories in the following 20 to 30 years, European Union decided to establish an effective strategy to solve the energy consumption problem. That is, according to ErP/EuP, the total AC power of the completed system shall be under 1.00W in off mode condition.

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**Premium Blu-ray Audio**

Premium Blu-ray Audio, an outstanding technology developed on ASRock motherboard, provides the excellent audio output of 24-bit/192 kHz with its respective Blu-ray DRM compatible driver/software. With Content Protection-Support and High SNR DAC, the Blu-ray entertainments can be played in a high quality of 24-bit/192KHz. In other words, if you are using a device without the Blu-ray Audio support, the audio quality will be downgraded to 16-bit/48kHz like a regular CD quality. To deliver the best possible sound solution for today’s most demanding users, ASRock Premium Blu-ray Audio motherboard is the best choice for users who are particularly desired to enjoy the pure HD audio. ASRock users are able to take full advantages of our Blu-ray Audio motherboards. Choose ASRock, choose Pure HD audio!

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**Why ASRock?**

* SNR: Signal-to-Noise Ratio.

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**True Blu-ray**

Supporting Blu-ray Full HD 1080p playback and Premium Blu-ray audio with 24-bit / 192KHz sampling rate in 7.1 channel.
OC DNA

Save your OC settings as a profile and share with friends. Try OC DNA now!

OC DNA Instruction

Step 1
Save your BIOS OC settings as User Default in BIOS OC Tweaker menu. (For example: we name this User Default setting as “CPU_OC3.8GHz”)

Step 2
Execute ASRock OC DNA under OS, you will find “CPU_OC3.8GHz” as User Profile 1.

Step 3
Press “Save” button to save the “CPU_OC3.8GHz” OC settings as a profile.

Step 4
Send the “CPU_OC3.8GHz” profile to other friends.

Step 5
When the friend receives your “CPU_OC3.8GHz” profile, he can press “Load” to load the “CPU_OC3.8GHz” profile in OC DNA.

Step 6
After that, the friend can enter into BIOS OC Tweaker menu to load the “CPU_OC3.8GHz” profile as his BIOS OC settings.

Now, you have successfully share your OC setting profile with your friends.

*The OC DNA works only when users use the same motherboard and BIOS version.
10 Times Faster, Only 4 Secs to Boot Up to Windows!

ASRock Instant Boot

ASRock Instant Boot is a new feature invented exclusively by ASRock. It can boot up system in an amazing speed, which is 10 times faster than traditional boot up. For home users or office PC users, ASRock Instant Boot can also guarantee a clean Windows OS, and consumed less power! For details: http://www.asrock.com/feature/InstantBoot/index.asp

* This function is applicable ONLY to single user that does not secure ID and Password to their systems.
* The boot up time depends on the hardware configuration.

ASRock Instant Flash

ASRock Instant Flash is an exclusive and the most user-friendly BIOS flash utility developed by ASRock. It is embedded in Flash ROM which is used to update the system BIOS without having to enter operating systems like MS-DOS or Windows.

Features

Once executing ASRock Instant Flash, the utility will automatically detect all devices such as USB, hard disk or even floppy drive to find the exact BIOS for your system. Instead of giving you all BIOS in your devices, the Instant Flash just list BIOS versions that apply to your motherboard model only. For example, if you have many different BIOS of different motherboards saved in your devices, but you just need to flash your P45 motherboard, the Instant Flash will just list the P45 BIOS versions for you. This unique function allows you to easily select the suitable BIOS version instead of browsing through all data.
**CyberLink Power2Go 6.1 LE OEM**
Power2Go 6 lets you burn and backup videos, photos, music and data onto Blu-ray Discs and DVDs.

**CyberLink MediaShow 4.1 SE OEM**
Photo and video management software MediaShow edits videos and photos instantly, creates slideshow, and allows publishing directly to YouTube and Flickr.

**CyberLink PowerDVD 8.0 DTS Trial**
World-renowned PowerDVD 8 DTS delivers outstanding DVD movie playback quality on your PC.

**CyberLink PowerDirector 8.0 Trial**
PowerDirector - Video Editing software – edits high-definition videos including AVCHD, allows output to PSP iPod and Blu-ray Disc.

**CyberLink PowerBackup 2.5 Trial**
PowerBackup backups valuable data on your PC.

**Creative Sound Blaster X-Fi MB Trial**
The Sound Blaster X-Fi MB solution provides premium audio quality, effects and features for PC systems equipped with onboard audio. For gamers, the EAX® ADVANCED HD 4.0, with its state-of-the-art Multi-Environment rendering and reverb modelling, delivers a much more realistic and immersive 3D gaming experience than your motherboard audio ever will.