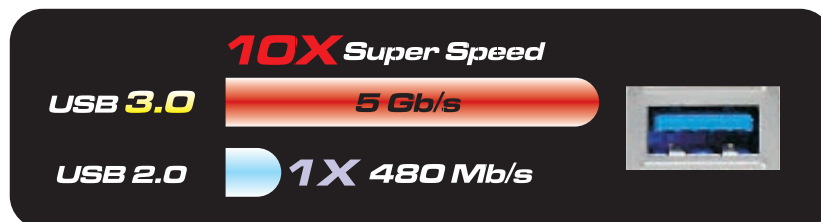


880GXH/USB3

AMD 880G + SB710 Chipsets

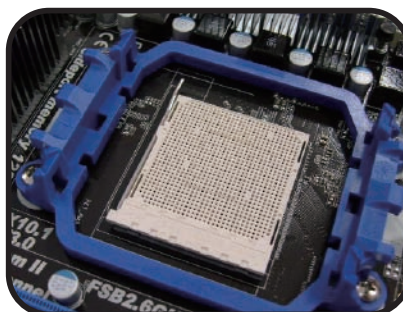
ASRock
www.asrock.com

USB3.0



USB3.0, the world's best-known computer peripheral interface once again receives a major revamp to stay current with today's most demands for connectivity bandwidth. Delivering data transfer rates up to ten times faster than USB 2.0 with the optimized power efficiency, USB 3.0 promises a major leap forward in transfer speeds and capability.

Phenom II X6 6-Core CPU Ready



880GXH/USB3

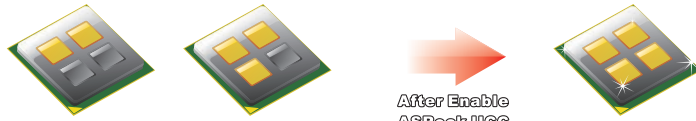
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ASRock UCC (Unlock CPU Core)

World's First AMD 880G Chipset Motherboard Supports Unlock CPU Core



AMD CPU Core X2/X3

X4

With ASRock unique UCC chip onboard, one simple click in BIOS can unlock CPU core to enjoy an instant performance boost.

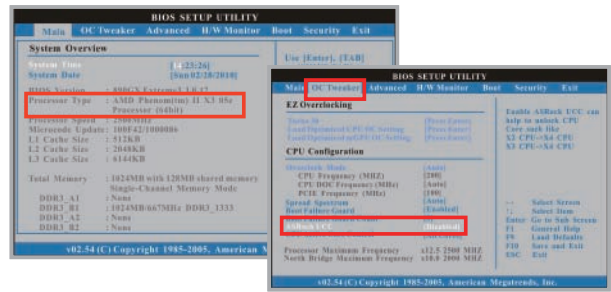
Step 1

Press "F2 or DEL" to enter the BIOS.



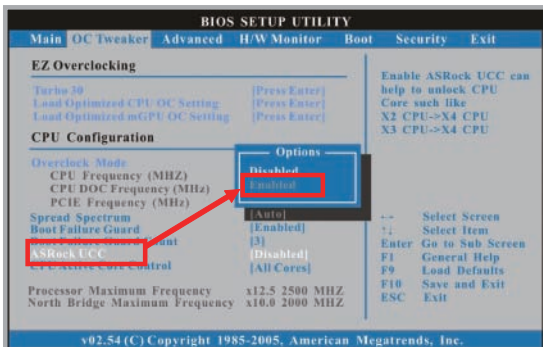
Step 2

Choose the "OC Tweaker" page and "ASRock UCC" option!



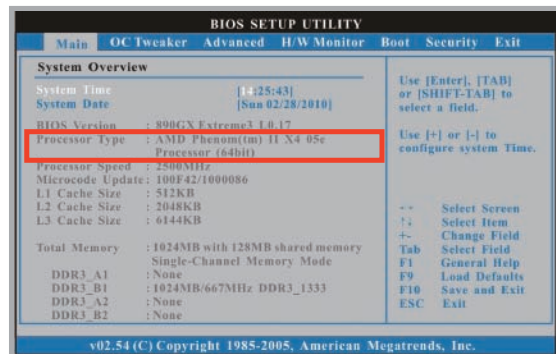
Step 3

- "ASRock UCC" set to Enabled.
- Press "F10" to save change and exit.



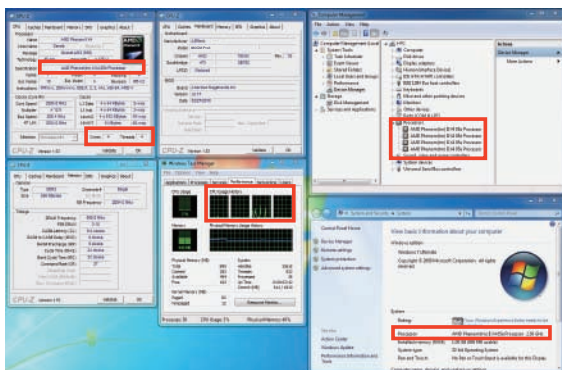
Step 4

- Press "F2 or DEL" to enter the BIOS.
- Processor Type unlock to "AMD Phenom II X4 05e" under "Main" page.



Step 5

CPU Information Under OS



Step 6

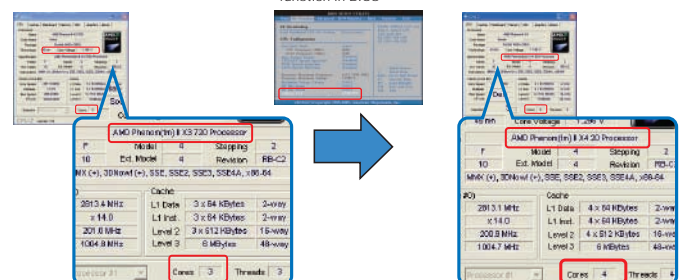
Before and After UCC

AMD Phenom II X4 705e X3 core X4 core

Before - UCC not enabled, Cores: 3

Simply enables UCC function in BIOS

After - UCC enabled, Cores: 4



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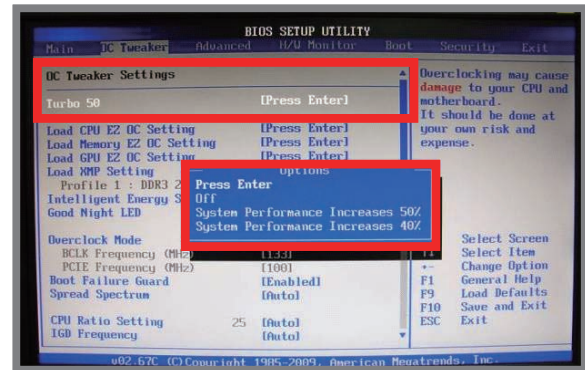
System Performance boosts

up to **50%** increase

Simply click the Turbo 50 button in BIOS, the system performance will **boost up to 50% increase** by automatically overclocking CPU, Memory, GPU frequency and all related voltage settings!

Below table shows that enable Turbo 50 on 785G Extreme3, the performance will boost up to 50% increase!

Model	880GXH/USB3
Chipset	AMD 880G
BIOS	L0.04
CPU	Phenom II x2 550
RAM	Kingston DDR3-1600 1G*2
VGA	ATI Radeon HD 4250
HDD	WD WD5000AAKS 500G



Turbo 50 Performance Test Result

Phenom IIX2 550	CPU Frequency	GPU Frequency	3D Mark Vantage (Entry)
Turbo 50 Off	3.1GHz	560 MHz	2620
Turbo 50 On	3.56GHz	980 MHz	3945
Percentage Increase	14.84%	75.00%	50.57%

Note: The overclocking performance depends on the system configuration you adopt. We do not guarantee the overclocking performance.

ATI Radeon® HD4250

DirectX 10.1 Onboard Graphics

Key features of DirectX 10.1 include an updated shader model, improved anti-aliasing support, more flexible data access, and tighter specifications for better application compatibility.

DirectX 10.1 Anti-Aliasing



DirectX 10 –Standard
MSAA:Foliage edges do
not get anti-aliased
–causes shimmering and
crawling when they move

DirectX 10.1 –Alpha Test
MSAA:Foliage edges are
smoothed and anti-aliased
–offers significant image
quality improvement

Features	DirectX® 10	DirectX® 10.1
Shader Model	4	4.1
Separate per-MRT blend modes	No	Yes
Pixel Coverage Masks	No	Yes
Sample Pattern Selection	No	Yes
Cube Map Arrays	No	Yes
Gather4	No	Yes
VS Inputs	16	32
Blending	INT8, FP16/32	INT8/16, FP16/32
Filtering	FP16	FP32

**Multi
SPEED**
Fan Control

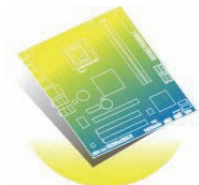


Set your ideal fan speed by tuning the fan speed from level 1 to 10 in BIOS or OC Tuner.

880GXH/USB3

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ErP/EuP Ready Motherboard



ErP/EuP Ready Power Supply



ErP/EuP System

What is ErP/EuP?

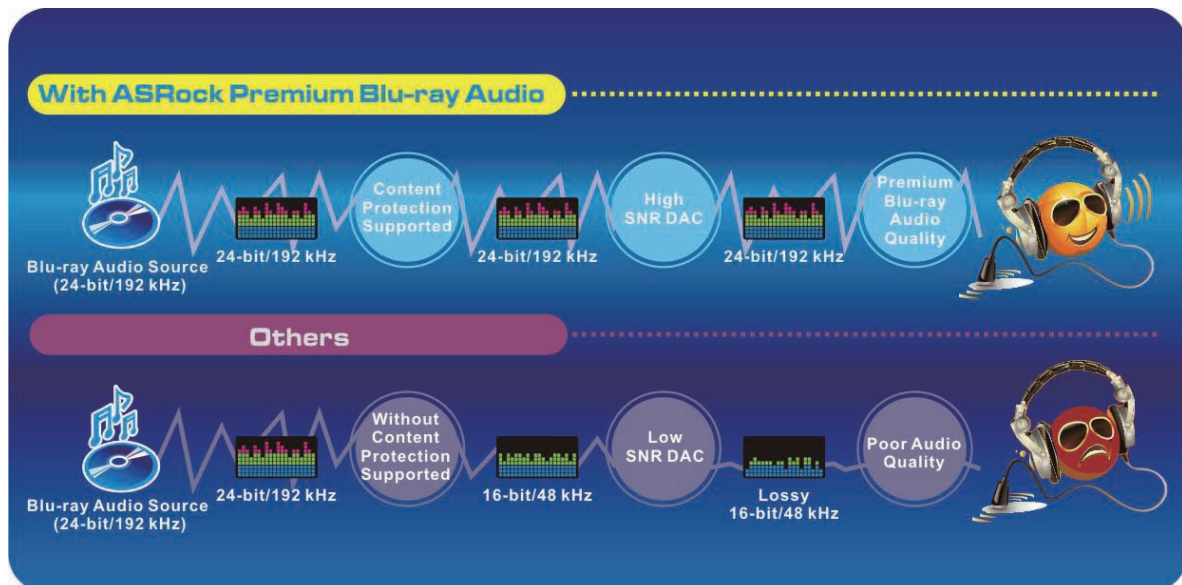
ErP/EuP, stands for Energy Using Product, was a provision regulated by European Union to define the power consumption for the completed system. With the great quantity and the popularity using of the electrical products nowadays and the continuously increasing of the electrical products categories in 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.

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!

Why ASRock?



* SNR: Signal-to-Noise Ratio.

True Blu-ray



Blu-ray video + Blu-ray audio

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

880GXH/USB3

AMD 880G + SB710 Chipsets

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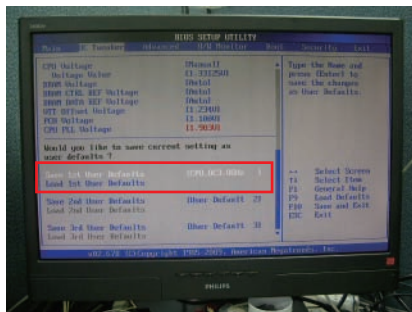
OC DNA

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")



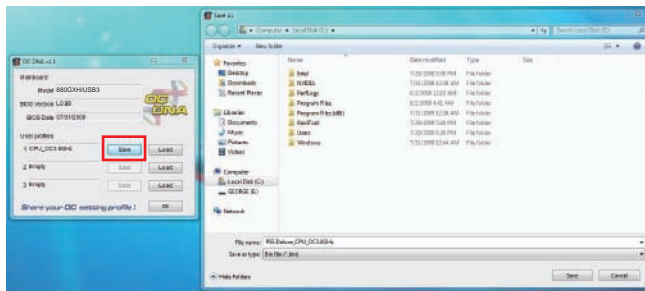
Step 2

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.



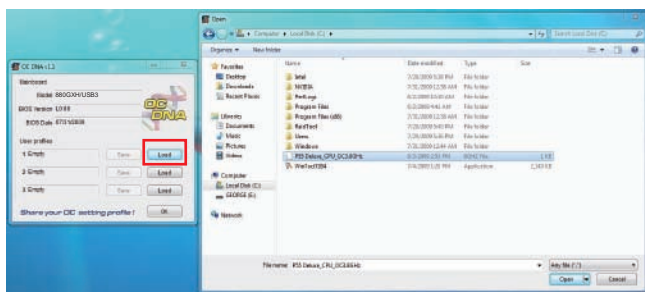
Step 4

Send the "CPU_OC3.8GHz" profile to other friends.



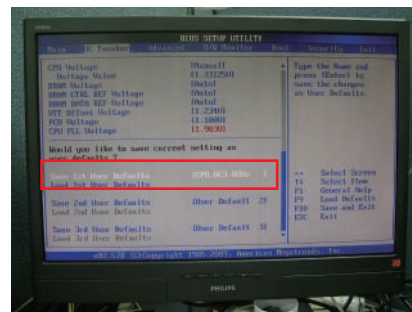
Step 5

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.

880GXH/USB3

AMD 880G + SB710 Chipsets

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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.

10 Times Faster, Only 4 Secs to Boot Up to Windows!

ASRock YouTube

<http://tw.youtube.com/watch?v=BucljXZVxXo>



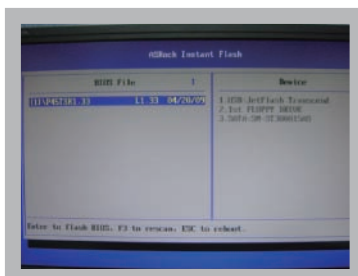
ASRock Instant Flash

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.



Instant Flash just list BIOS versions that apply to your motherboard model.

Simple!



Click and start Flashing!

Quick!

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CyberLink



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 backs up 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.