



# 890GX Extreme3

AMD 890GX + SB850

**ASRock**  
www.asrock.com



## 超快数据传输速度 华擎 True 333

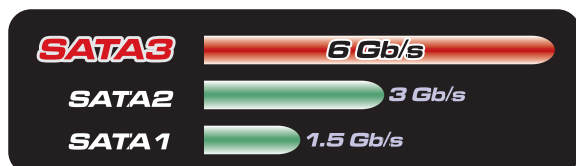
### USB 3.0



USB 3.0      USB 2.0      10      USB

3.0      USB 3.0

### SATA3



SATA3      SATA Revision 3.0      6Gb/s

SATA2

### eSATA3



eSATA3  
6Gb/s

IO

## True 333

## 333

	PCI-E	SATA3	USB 3.0
True 333	<b>x16</b>	<b>PCI-E 2.0</b>	<b>PCI-E 2.0</b>
333	x8	PCI-E 1.0	<b>PCI-E 2.0</b>
	x8	<b>PCI-E 2.0</b>	PCI-E 1.0
	<b>x16</b>	PCI-E 1.0	PCI-E 1.0

True 333  
PCI-E      SATA3      USB 3.0  
333

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## UCC (CPU )

AMD 890GX  
CPU



开启华硕 UCC 后

AMD CPU Core X2/X3

X4

UCC

BIOS

CPU

1

"F2" "DEL" BIOS



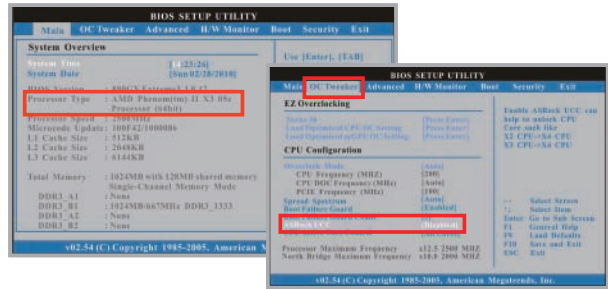
3

"ASRock UCC" [Enabled]  
"F10"

2

"OC Tweaker"

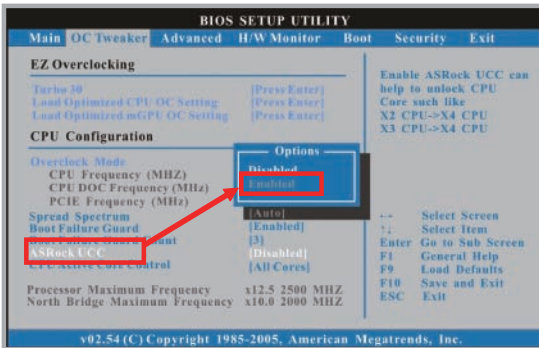
"ASRock UCC"



4

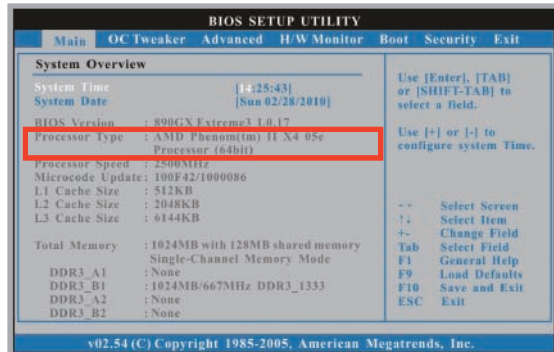
"F2" "DEL" BIOS  
"Main"

"AMD Phenom II X4 05e"



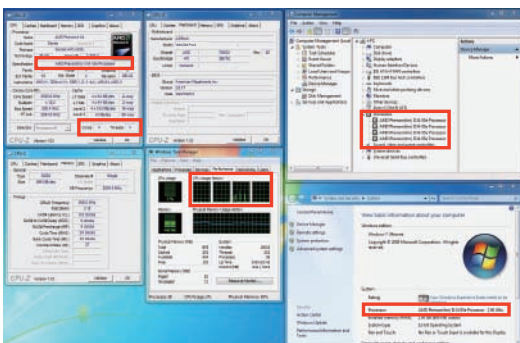
5

CPU



6

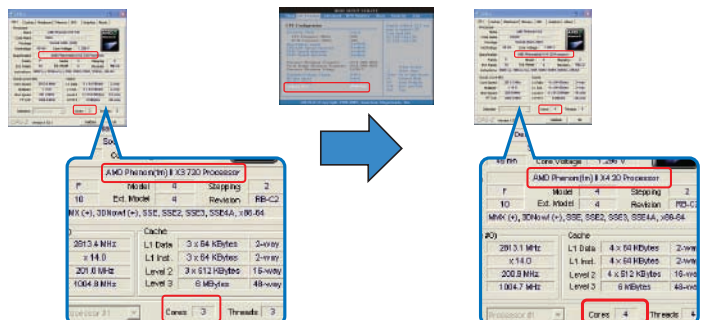
UCC



UCC, : 3

BIOS UCC

UCC, : 4

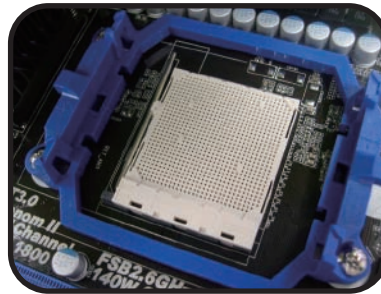


# 890GX Extreme3

AMD 890GX + SB850

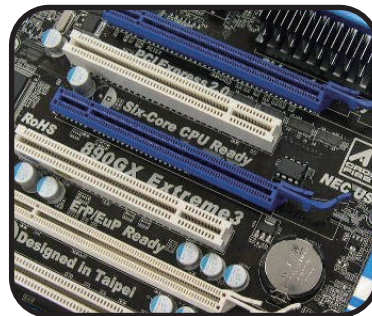
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## 6



### CPU

ATI™ 4 CrossFireX™  
, 3 CrossFireX™  
, CrossFireX™  
Hybrid CrossFireX™



## BIOS



CMOS



**Dr. Debug**



BIOS



# 890GX Extreme3

AMD 890GX + SB850

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## ATI Radeon® HD4200 DirectX 10.1 的集成显卡

DirectX 10.1

Shader Model

### DirectX 10.1



DirectX 10 – MSAA : DirectX 10.1 – MSAA :

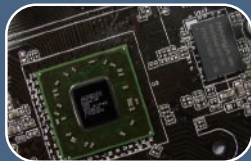
	DirectX® 10	DirectX® 10.1
Shader Model	4	4.1
MRT	No	Yes
	No	Yes
	No	Yes
	No	Yes
Gather4	No	Yes
VS	16	32
	INT8, FP16/32	INT8/16, FP16/32
	FP16	FP32

128MB

8.13%

890GX

### side port memroy 128MB



ASRock 890GX MB with Side Port Memory 128MB

**Up to 8.13%**  
Performance Boost

3D Mark Vantage(Entry)

Without side port memory

E3370

With side port memory

**8.13%**

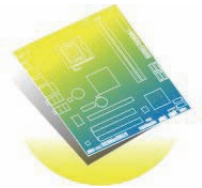
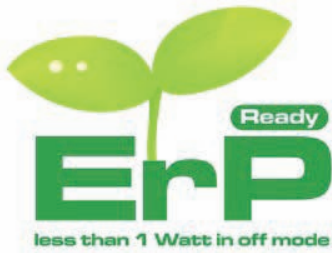
E3644  
Performance Boost

GPU=1000MHz, Sideport runs at DDR3 1333, at performance setting

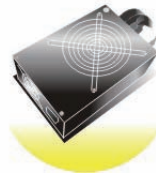
# 890GX Extreme3

AMD 890GX + SB850

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ErP/EuP



ErP/EuP



ErP/EuP

ErP/EuP

?

ErP/EuP

Energy Using Product

20 30

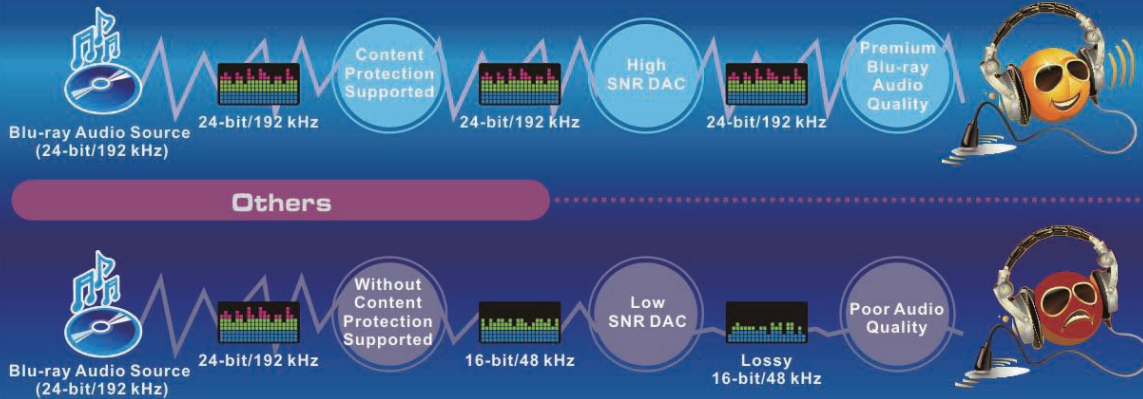
ErP/EuP

1.00W



	DRM	Premium Blu-ray Audio	24-bit/192KHz
		/	24-bit/192KHz
		DAC	16-bit/48kHz
CD			
	HD		

## With ASRock Premium Blu-ray Audio



\* NR:

## 真蓝光



蓝光视频

(AMD Radeon HD 4290 DX10.1)



蓝光音效

Full HD 1080p  
24-bit / 192KHz  
7.1  
Blu-ray audio

Premium

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OC DNA

OC DNA

## OC DNA 步骤

1

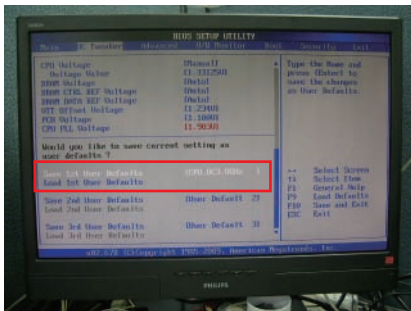
BIOS OC Tweaker  
Default

User Default

BIOS

User

"CPU\_OC3.8GHz"



3

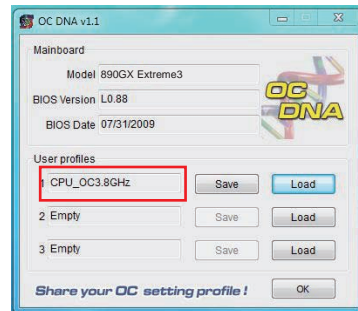
" Save "

"CPU\_OC3.8GHz"

2

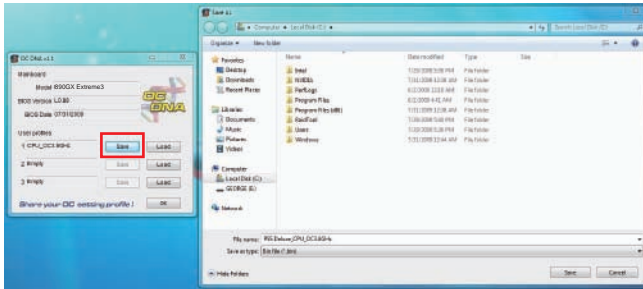
"CPU\_OC3.8GHz"

OC DNA  
User Profile 1



4

"CPU\_OC3.8GHz"



5

" CPU\_OC3.8GHz " "CPU\_OC3.8GHz"

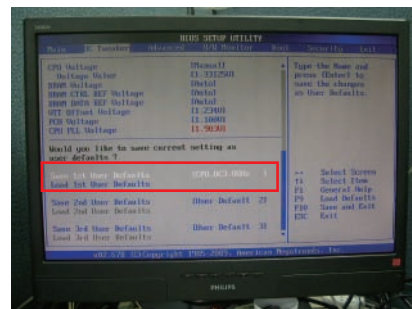
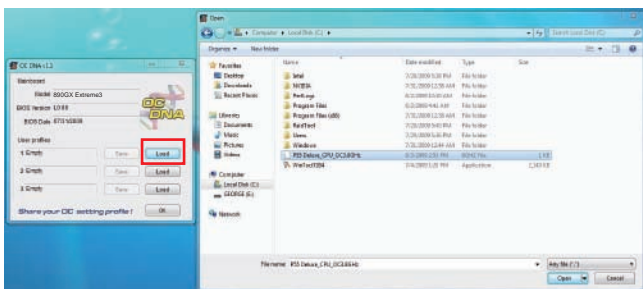
OC DNA



6

"CPU\_OC3.8GHz"

BIOS OC Tweaker  
BIOS



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(Instant Boot)

ASRock Instant Boot

ASRock Instant Boot

Windows

<http://www.asrock.com/feature/InstantBoot/index.asp>

\* ( )

10 4 Windows!

**ASRock YouTube**

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



## Instant Flash

Instant Flash

Flash ROM

MS-DOS

Windows

BIOS

BIOS

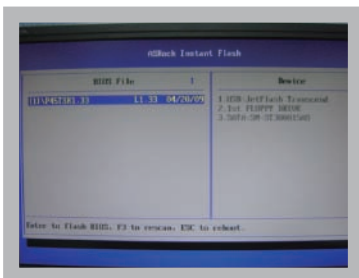


ASRock Instant Flash  
BIOS Instant Flash  
BIOS Instant Flash

P45 BIOS

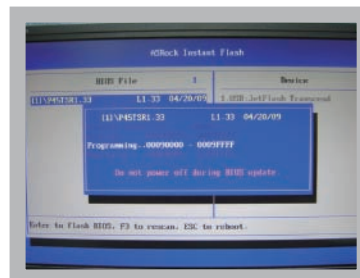
USB  
BIOS  
BIOS

P45  
BIOS



Instant Flash

BIOS



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**CyberLink**



## CyberLink Power2Go 6.1 LE OEM

Power2Go 6 可讓您刻錄和備份視頻、照片、音樂與數據到藍光光碟與 DVD 光碟。

## CyberLink MediaShow 4.1 SE OEM

照片與食品管理軟件 MediaShow 可用來即時編輯視頻和照片，創建幻燈片，並允許您直接將其發布到 YouTube 和 Flickr。

## CyberLink PowerDVD 8.0 DTS 試用版

全球知名的 PowerDVD 8 DTS 可讓您在 PC 上享受卓越的 DVD 電影播放品質。

## CyberLink PowerDirector 8.0 試用版

PowerDirector – 視頻編輯軟件 – 可編輯包括 AVCHD 在內的高清視頻，允許輸出到 PSP iPod 及藍光光盤。

## CyberLink PowerBackup 2.5 試用版

PowerBackup 可備份您電腦中的珍貴數據。

## Creative Sound Blaster X-Fi MB 試用版

Sound Blaster X-Fi MB 方案可為僅具備簡單板載聲卡的 PC 系統提供卓越的聲音品質、特效及功能。對於遊戲玩家來說，EAX® ADVANCED HD 4.0 通過其多環境渲染與混響模型技術，讓您感受身臨其境般更真實的 3D 遊戲體驗。