**890GX Pro3**  
AMD 890GX + SB850 Chipsets

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**Product Brief**

- 100% All Solid Capacitor design  
- Supports AM3+ processor, 8-Core CPU  
- Supports Dual Channel DDR3 1866(OC)  
- Supports ATI™ Quad CrossFireX™, CrossFireX™ and Hybrid CrossFireX™  
- Integrated AMD Radeon HD 4290 graphics, DX10.1 class iGPU, Shader Model 4.1  
- Multi-VGA Output : D-Sub, DVI-D and HDMI  
- 2 x USB 3.0, 5 x SATA3, 2 x IEEE 1394  
- Dr. Debug, Power/Reset/Clear CMOS Switch with LED  
- Supports XFast USB, AXTU, UEFI, Instant Boot, Instant Flash, APP Charger, SmartView, Turbo UCC  
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), Supports Premium Blu-ray audio

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**Detail Specification**

| Platform | - ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm  
| CPU | - Support for Socket AM3+ processors  
| | - Support for Socket AM3 processors: AMD Phenom™ II X6 / X4 / X3  
| | - AMD 990 / 970 / 940 / 920 AM3+ / 790 / 760 AM2+ / 740 AM2  
| | - AMD Athlon, Sempron processors  
| | - Support for XFast USB, AXTU, UEFI, Instant Boot, Hybrid Booster  
| | - 2 x USB 3.0, 5 x SATA3, 2 x IEEE 1394  
| Chipset | - AM3+  
| Memory | - Dual Channel DDR3 memory technology  
| | - Supports DDR3 1600/1333/1066/800 SDRAM  
| | - Supports Dual-channel DDR3 1866(OC)/1600(OC)/1333/1066/800 SDRAM  
| | - Max. capacity of system memory: 32GB

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**Graphics**

- Integrated AMD Radeon HD 4290 graphics  
- Supports Dual Channel DDR3 memory  
- Max. shared memory: 512MB  
- Three VGA Output options: D-Sub, DVI-D and HDMI  
- Supports HDMI Technology with max. resolution up to 1920x1080 (1080p)  
- Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI and HDMI ports  
- Supports HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone  
- Supports ATI CrossFireX™, CrossFireX™ and Hybrid CrossFireX™

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**Audio**

- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)  
- Premium Blu-ray audio support  
- Supports Wake-On-LAN

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**LAN**

- PCIE x1 Gigabit LAN 10/100/1000 Mbps  
- Supports Wake-On-LAN

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**Rear Panel I/O**

- IO Panel  
- 1 x PS2 Keyboard Port  
- 1 x VGA/DVI-D Port  
- 1 x USB 2.0 Port  
- 1 x HDMI Port  
- 1 x Optical SPDIF Out Port  
- 4 x Ready-to-Use USB 2.0 Ports  
- 2 x Ready-to-Use USB 3.0 Ports  
- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)  
- 1 x HDMI Port  
- 1 x Clear CMOS Switch with LED  
- HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone

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**SATA3**

- 5 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1 and RAID 5), NCQ, AHCI and "Hot Plug" functions  
- 2 x USB 3.0 ports support 6 USB 2.0 ports

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**USB 3.0**

- 2 x USB 3.0 ports by Eltron EJ168A, support USB 1.0/2.0/3.0 up to 5Gbps

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**Connector**

- 5 x SATA3 6.0 Gb/s connectors  
- 1 x 8-pin 12V power connector  
- 1 x 4-pin 12V power connector  
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**Smart Switch**

- 1 x Power Switch with LED  
- 1 x Clear CMOS Switch with LED  
- 1 x 8-pin 12V power connector

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**BIOS Feature**

- Supports AM3+ processors: AMD Phenom™ II X6 / X4 / X3  
- Supports XFast USB, AXTU, UEFI, Instant Boot, Instant Flash, APP Charger, SmartView, Turbo UCC

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**Support CD**

- Drivers, Utilities, AntiVirus Software (Trial Version), AMD Overdrive™

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**Unique Feature**

- ASRock Extreme Tuning Utility (AXTU)  
- ASRock Instant Boot  
- ASRock Instant Flash  
- ASRock XFast USB

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**Hardware Monitor**

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

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**OS**

- Microsoft® Windows® 64-bit: Vista™/ XP 64-bit / XP

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**Certifications**

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

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**Accessories**

- Quick Installation Guide, Support CD, I/O Shield  
- 2 x SATA data cables (optional)

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ASRock XFast USB Technology redefines the new standard in high performance computing. Proving once again to be the pioneer in motherboard industry, ASRock XFast USB Series Motherboards integrate with the latest XFast USB Technology which delivers the world’s fastest USB data transfer speed. According to the below graph, it shows that the ASRock XFast USB technology can even boost USB 3.0 performance up to 335.23%!
AM3+ 8-Core Processor Support

Compatible with AM3+ 8-Core CPU! This board is designed to build up the most powerful system performance and deliver the most demanding technology for users nowadays. Just enjoy next generation computing with ASRock 8-Core CPU Ready motherboard.

Two-Piece Retention Module

By adopting the exclusive AMD two-piece retention module that improves the cooling efficiency with AM3+/AM3/AM2+ CPU coolers, this board allows heat dissipation becomes faster and effective.
ASRock Extreme Tuning Utility (AXTU) is an all-in-one software to fine-tune different features in an user-friendly interface, which includes Hardware Monitor, Fan Control, Overclocking, OC DNA and IES. In Hardware Monitor, it shows the major readings of your system. In Fan Control, it shows the fan speed and temperature for you to adjust. In Overclocking, you are allowed to adjust the CPU frequency, ratio and some voltages for optimal system performance. In OC DNA, you can save your OC settings as a profile and share with your friends. Your friends then can load the OC profile to their own system to get the same OC settings. In IES (Intelligent Energy Saver), the voltage regulator can reduce the number of output phases to improve efficiency when the CPU cores are idle without sacrificing computing performance.

Unified Extensible Firmware Interface (UEFI) is a revolutionary BIOS utility which offers tweak-friendly options in an advanced viewing interface. Compared with traditional BIOS design, the latest UEFI utility provides lots improved functions. The major features of UEFI include:

1. Graphical Visual Experience – UEFI provides an improved visual interface with colorful icons and makes your computing environment more versatile to replace the traditional dull BIOS page.

2. Mouse Enabling – Besides keyboard control, you can freely use mouse to select your ideal settings in UEFI as well.

3. Supports 3TB bootable HDD - UEFI breaks the limitation of 2TB bootable HDD on traditional BIOS. With UEFI, you can enjoy 3TB bootable HDD size.

*Windows Vista-64bit or Windows 7-64bit OS is required*
The Major Features of SmartView

Visual thumbnail images which categorize and rank your frequently visited websites, as well as provide a chronological view of your browser history.

A persistent, real-time Facebook newsfeed located within the Internet Explorer sidebar.

A "Friend Wall" that conveniently alphabetizes your Facebook friends by profile photo, allowing immediate access to your friends' profile pages.

A "share this" button which allows you to instantly and immediately share webpage posts and links to your friends' Facebook pages.

Two mode options that allow you to choose your favored view style.

System Requirements
OS version: Win7 32/64 bit, Vista 32/64 bit
Browser version: IE8
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.