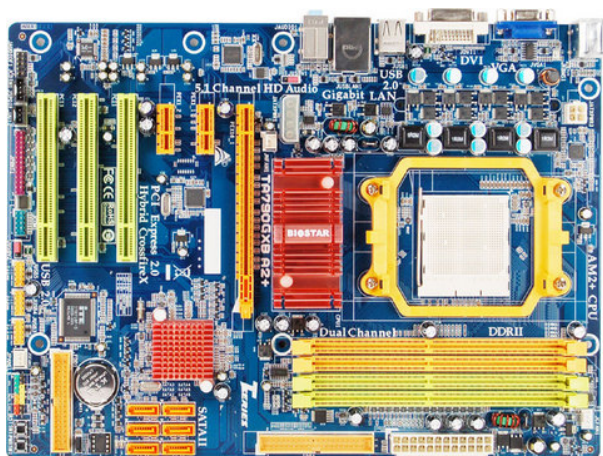


## TA790GXB A2+ Motherboard



- Supported Socket AM3 processors AMD Phenom II X4 / Phenom II X3 / Phenom II X2 processor
- Support latest AMD Phenom X4 , X3 / Athlon /Sempron processors
- AMD 140W processor support
- AMD 790GX Chipset with ATI Radeon HD 3300 Graphics
- Dual-Channel DDR2 -1066/800/667/533
- ATI Hybrid Graphics Support
- Integrated DVI interface with HDCP Support 1080P HD Video Experience
- AMD OverDrive Utility Support
- Optional DVI to HDMI adapter
- [AMD OverDrive™ with ACC feature \(Advanced Clock Calibration\) supported](#)

## TA790GXB A2+ Specifcation

|             |                                                                                                                                                                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU SUPPORT | AMD Phenom™ II X4 Processor<br>AMD Phenom™ II X3 Processor<br>AMD Phenom™ II X2 Processor<br>AMD Phenom™ X4 Processor<br>AMD Phenom™ X3 Processor<br>AMD Athlon™ II X2 Processor<br>AMD Athlon™ X2 Dual-Core Processor<br>AMD Athlon™ 64 X2 Dual-Core Processor<br>AMD Athlon™ 64 FX Processor<br>AMD Athlon™ 64 Processor<br>AMD Sempron™ Processor |
| HT          | Support HT 5.2G                                                                                                                                                                                                                                                                                                                                      |
| MEMORY      | Support Dual Channel DDR2<br>533/667/800/1066(1066 by AM2+ CPU) MHz<br>4 x DDR2 DIMM Memory Slot<br>Max. Supports up to 16GB Memory                                                                                                                                                                                                                  |

|                  |                                                                                                                                                                                                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INTEGRATED VIDEO | ATI Radeon™ HD3300 Graphics , Max. Memory Share Up to 512 MB<br>Support ATI Hybrid Crossfire                                                                                                                                                                                                              |
| STORAGE          | 6 x SATA II Connector<br>1 x IDE Connector<br>Support SATA RAID: 0,1,5,10                                                                                                                                                                                                                                 |
| LAN              | Realtek RTL8111C - 10/100/1000 Controller                                                                                                                                                                                                                                                                 |
| AUDIO CODEC      | Realtek ALC662 6-Channel HD Audio                                                                                                                                                                                                                                                                         |
| USB              | 4 x USB 2.0 Port<br>3 x USB 2.0 Header                                                                                                                                                                                                                                                                    |
| EXPANSION SLOT   | 1 x PCI-E 2.0 x16 Slot<br>2 x PCI-E 2.0 x1 Slot<br>3 x PCI Slot                                                                                                                                                                                                                                           |
| REAR I/O         | 1 x PS/2 Mouse<br>1 x PS/2 Keyboard<br>4 x USB 2.0 Port<br>1 x DVI Connector<br>1 x VGA Port<br>1 x LAN Port<br>3 x Audio Jacks                                                                                                                                                                           |
| INTERNAL I/O     | 3 x USB 2.0 Header<br>6 x SATA II Connector (3Gb/s )<br>1 x IDE Connector<br>1 x Floppy Connector<br>1 x Front Audio Header<br>1 x Front Panel Header<br>1 x CD-IN Header<br>1 x S/PDIF-Out Header<br>1 x CPU Fan Connector<br>2 x System Fan Connector<br>1 x COM Port Header<br>1 x Printer Port Header |
| DIMENSION        | ATX Form Factor Dimension: 30.5cm X 22.5cm ( W x L )                                                                                                                                                                                                                                                      |
| OS SUPPORT       | Supports Windows XP / Vista                                                                                                                                                                                                                                                                               |
| ACCESSORIES      | 1 x IDE Cable<br>2 x SATA Cable<br>1 x SATA Power Cable<br>1 x I/O Shield<br>1 x Fully Setup Driver CD<br>1 x User Manual<br>1 x DVI to HDMI adapter (Optional)                                                                                                                                           |

|          |                                                                                                                                                                                                                                     |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FEATURES | Supports AOD ACC<br>Supports AM3/AM2+<br>Supports Solid capacitor<br>Supports Fanless<br>Supports Clean-Tone<br>Supports O.N.E<br>Supports Rapid Switch<br>Supports Rapid Debug<br>BIO-FLASHER<br>Supports Toverclocker OC software |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## TA790GXB A2+ OVERVIEW

### CPU-Chipset



#### AM3/AM2+ Support

Supporting upcoming AMD Socket AM3/AM2+ 45nm processors, it delivers better overclocking capabilities and reduces power consumption. Moreover, AM3 CPU supports both DDR2 /DDR3 memory module and accelerates data transfer rate by up to 5200MT/s via HyperTransport 3.0 technology.



#### AMD HD ! Experience

AMD's HD video solution presents a new era of HD content and HD-related products that will revolutionize your viewing experience. AMD desktop solution can provide a full HD experience with support of the latest and most demanding formats, including VC-1, MPEG-2 and H.264 on a mainstream PC. It lets consumers enjoy a smooth HD viewing experience with less lag, stalling and dropped scenes in the latest Blu-ray titles. AMD HD! Experience realizes a convergence of digital consumer electronics and PCs with HD peripherals.  
 \* AMD HD! Experience is highly popular in the Japanese market.



#### HyperTransport 3.0 Support

It provides a maximum 5200MT/s via HyperTransport™ 3.0 system bus and significantly improves system efficiency for a high performance and faster desktop.

### Audio+



**Clean-Tone**

## Clean Tone Technology

Biostar innovative low distortion audio design reduces high frequency noise generated by a motherboard. One independent capacitor per channel handles the occurring noise. Onboard 8+2 channel Realtek ALC 888CODEC features an HD audio solution. T-series delivers a signal to the noise ratio over 95dB which perfectly fits into the Windows Vista premium environment.

## Video+



## HDMI with HDCP {INS\_STR}

HDMI allows full video & audio support via standard DVI output. It has industry-leading high definition video quality.

## Speed+



## PCI Express 2.0 Support

PCI Express 2.0 bus architecture offers a future-proofing bridge to tomorrow's most bandwidth-driven games and 3D applications by maximizing 5 GT/s of bandwidth. PCI Express 2.0 motherboards are fully backwards compatible with existing PCI Express products for broad support of PC peripherals.



## ATI Hybrid CrossFire™ Technology

ATI Hybrid CrossFire™ takes your gaming experience to the next level, under a Windows Vista® environment. ATI Hybrid CrossFireX boosts PC performance by enabling the AMD Chipset's integrated graphics processor and a discrete GPU (ATI Radeon™ HD 2400 Series ATI Radeon™ HD 3400 Series) to operate simultaneously with combined output to a single display for blis display for blisteringly-fast frame rates. Unleash the graphics performance that you've been waiting for on a mainstream Windows Vista® PC!



## O.N.E

Biostar offers 3 kinds of overclocking settings (V6/V8/V12) that provide good, better, best O.C settings. The motherboard features the Biostar T series motherboards that allow users to conveniently load preset BIOS settings. These BIOS settings give users freedom to enjoy overclocking with simple instructions.



**T-Overclocker**

## Tseries OC Utility

T-series OC utility presents the most convenient Windows-based system performance enhancement and utility management. Its 4 separate utilities include overclocking, BIOS update, and H/W monitoring and PC health for monitoring system status.

## Durable+



## X.D.C (eXtreme Durable Capacitors)

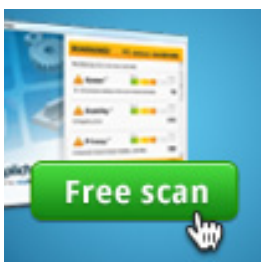
Biostar adopts low ESR and high ripple conductive solid state caps that provide sufficient, stable power supply to the CPU. The life span can also be more than 6.25 x of ordinary liquid caps.

## DIY+



## MX SUITE

As an Biostar customer you can download MAGIX multimedia tools designed to enhance your music, videos and photos for free. From music and website creation to video editing and photo management. Four products that cover all of your multimedia needs. Simply do more with your media than you ever thought possible.



## Simplitec

"Simplitec" offers premium solutions to ensure your PC is faster, more reliable and free of security gaps - automatically or with customized setups. "Simplitec" is a free bundle software to scan your computer for problems and offers a professional solution for each problem to put your PC back in top form.



## BIOS-Flasher

BIOS-Flasher is a convenient BIOS update tool. Just launch this tool and put the BIOS on USB pen driver before entering the OS. You can update your BIOS with only a few clicks without preparing an additional floppy disk or other complicated flash utility.



## BIOS-ReLife

BIOS-ReLife Technology lets you recover crashed BIOS data from a USB flash pen driver that stores new BIOS file. This practical BIOS utility can restore your system and recover from a BIOS crash situation.



## eHot-Line Utility

Integrated e-service automatically sends your technical support request to Biostar Globe tech support without any delay.



## Rapid Switch

No more meddling with the power and reset jumpers onboard. The power and reset buttons are already built onboard. It is convenient for DIY users to test the board without short-circuiting the wrong pins.



## Rapid Debug

There is no need to check any H/W installation error. Onboard LED indicator answers the question for the user.

**\*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!**