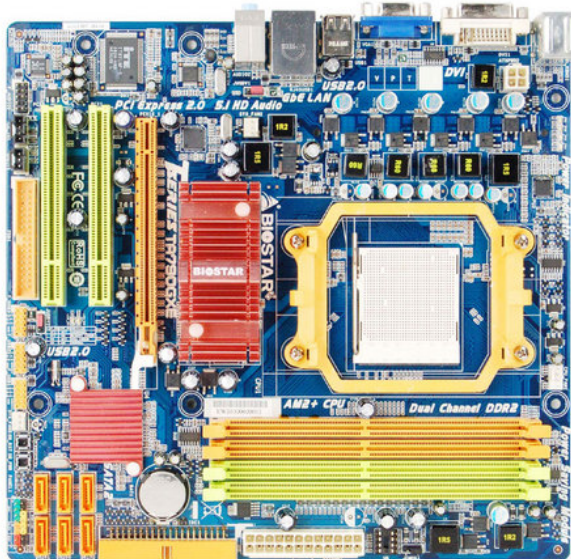


TA790GXE Motherboard



- 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 125W processor support
- AMD 790GX Chipset with ATI Radeon HD 3300 Graphics
- 4 DIMM supported DDR2-1200/1066
- On Board 128MB DDR2 Side-Port memory
- ATI Hybrid Graphics Support
- Superior scaling with ATI CrossFireX technology
- Supported 1080P HD Video Experience by optional DVI to HDMI adapter
- BIOSSTAR G.P.U (Green Power Utility) Technology
- Micro ATX Form-factor
- **AMD OverDrive™ with ACC feature (Advanced Clock Calibration) supported**

TA790GXE Specifcation

CPU SUPPORT

AMD Phenom™ II X4 Processor
 AMD Phenom™ II X3 Processor
 AMD Phenom™ II X2 Processor
 AMD Phenom™ X4 Processor
 AMD Phenom™ X3 Processor
 AMD Athlon™ II X2 Processor
 AMD Athlon™ X2 Dual-Core Processor
 AMD Athlon™ 64 X2 Dual-Core Processor
 AMD Athlon™ 64 FX Processor
 AMD Athlon™ 64 Processor
 AMD Sempron™ Processor
 Maximum CPU TDP (Thermal Design Power) :
 125Watt

HT

Support HT 5.2G

MEMORY	Support Dual Channel DDR2 533/667/800/1066(1066 by AM2+ CPU) MHz 4 x DDR2 DIMM Memory Slot Max. Supports up to 16GB Memory ※It is recommended to use those Validated DDR2-1066 modules suggested by AMD
INTEGRATED VIDEO	ATI Radeon™ HD3300 Graphics with 128MB Side-port memory, Max. Memory Share Up to 512 MB Support ATI Hybrid Crossfire
STORAGE	6 x SATA II Connector 1 x IDE Connector Support SATA RAID: 0,1,5,10
LAN	Realtek RTL8111DL - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio
USB	4 x USB 2.0 Port 3 x USB 2.0 Header
EXPANSION SLOT	1 x PCI-E 2.0 x16 Slot 2 x PCI Slot
REAR I/O	1 x PS/2 Mouse 1 x PS/2 Keyboard 4 x USB 2.0 Port 1 x DVI-D Connector 1 x VGA Port 1 x LAN Port 3 x Audio Jacks
INTERNAL I/O	3 x USB 2.0 Header 6 x SATA II Connector (3Gb/s) 1 x IDE Connector 1 x Floppy Connector 1 x Front Audio Header 1 x Front Panel Header 1 x CD-IN Header 1 x S/PDIF-Out Header 1 x CPU Fan Connector 2 x System Fan Connector
DIMENSION	Micro ATX Form Factor Dimension: 24.4cm X 23.3cm (W x L)
OS SUPPORT	Supports Windows XP / Vista
ACCESSORIES	3 x SATA Cable 1 x SATA Power Cable 1 x I/O Shield 1 x Fully Setup Driver CD 1 x User Manual

FEATURES	Windows 7 Compatible Supports AOD ACC Supports AM3/AM2+ Supports Solid capacitor Tweak Tech Supports Fanless Supports Clean-Tone Supports O.N.E Supports Rapid Switch Supports Rapid Debug BIO-FLASHER Supports GPU
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TA790GXE OVERVIEW

CPU-Chipset



AMD 790GX+SB750

Powered by ATI Radeon™ Graphics, DirectX® 10 introduces detail-rich images and dynamic interactivity designed for playing the latest DirectX® 10 games. AMD® 790GX Chipset is designed with up to 5200MT/s HyperTransport™ 3.0 (HT3.0) interface and PCI Express™ 2.0 x 16 graphics. It has enhanced AMD's latest AM3/AM2+ and multi-core CPUs to experience life-like images and dynamic interactivity when playing the latest games or editing digital photos and videos.



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.

Video+



128MB {INS_STR}SidePort

The 128MB side-port memory onboard can accelerate 3D gaming performance easily. Side-port memory is similar to onboard graphics memory buffer. When enabled, it could increase the 3D performance by another 10% or more.



HDMI with HDCP {INS_STR}

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

Speed+



ATI Hybrid CrossFireX™ Technology

ATI Hybrid CrossFireX™ 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.



Tweak Tech

Biostar has a unique engineering PWM layout with low ESR and high ripple conductive solid state caps that provide sufficient, stable power supply to the CPU. The same philosophy applies to our DDR design to enhance the memory's voltage stability.

Durable+



Real 4+1 Phases Power Design

4+1-phase VRM design with high quality power components such as low RDS (on) Mosfet for lower temperature has the advantage to raise the overclocking ability for Phenom/ PhenomII CPU.



2-Phase Power

2 Phase Memory Power Design

2-phase independent power design increases memory voltage stability and durability.



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.



G.P.U (Green Power Utility)

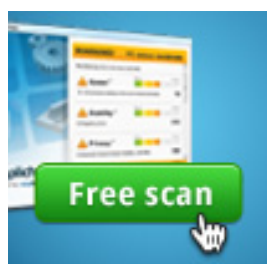
BIOSTAR G.P.U (Green Power Utility) is a new function that enhances energy efficiency by disabling extra phases while CPU is under light loading. It integrates a friendly GUI to monitor the resourcing and response of your CPU thus optimizing the power saving function in your system. G.P.U. constantly sets up the best power efficiency in your system, be it for heavy 3D gaming, Internet or MSN chatting.

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.



BIO-Flasher

BIO-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.



BIO-ReLife

BIO-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.



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.

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

BIOSSTAR