

TA990FXE Motherboard



- Supported Socket AM3+ processors AMD FX/ Phenom II/ Athlon II processor
- Supported AMD Mutil Core(x8,x6)
- AMD 140W processor support
- AMD 990FX Chipset
- Support ATI crossfireX & nVidia SLI multi-GPU technology
- 4 DIMM supported DDR3-2200(OC)/1866/1600/1333/1066
- Supported SATA 6Gb/s 2X speed than current SATA 3G
- Supported USB 3.0
- BIOSSTAR G.P.U (Green Power Utility) for green power saving your desktop
- UEFI BIOS natively supports HDD larger than 2TB

TA990FXE Specifcation

CPU SUPPORT	AMD FX™ Processor AMD Phenom™ II X6 Processor AMD Phenom™ II X4 Processor AMD Phenom™ II X3 Processor AMD Phenom™ II X2 Processor AMD Athlon™ II X4 Processor AMD Athlon™ II X3 Processor AMD Athlon™ II X2 Processor AMD Sempron™ Processor Maximum CPU TDP (Thermal Design Power) : 140Watt
HT	Support HT 5.2G
MEMORY	Support Dual Channel DDR3 2200(OC)/1866/1600/1333/1066/800 MHz 4 x DDR3 DIMM Memory Slot Max. Supports up to 32GB Memory
STORAGE	5 x SATA III Connector Support SATA RAID: 0,1,5,10

LAN	Atheros AR8151 - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC892 8-Channel Blu-ray Audio
USB	ASMedia ASM1042 USB 3.0 controller 2 x USB 3.0 Port 1 x USB 3.0 Header 4 x USB 2.0 Port 2 x USB 2.0 Header
EXPANSION SLOT	3 x PCI-E 2.0 x16 Slot(x16, x16, x4) 1 x PCI-E 2.0 x1 Slot 2 x PCI Slot
REAR I/O	1 x PS/2 Mouse 1 x PS/2 Keyboard 1 x eSATA2 Connector 1 x FireWire IEEE 1394a Port 2 x USB 3.0 Port 4 x USB 2.0 Port 1 x LAN Port 6 x Audio Jacks 1 x S/PDIF Out Port
INTERNAL I/O	1 x USB 3.0 Header 2 x USB 2.0 Header 5 x SATA III Connector (6Gb/s) 1 x Front Audio Header 1 x Front Panel Header 1 x S/PDIF-Out Header 1 x CPU Fan Connector 2 x System Fan Connector 1 x FireWire IEEE 1394 Header 1 x CIR Header 1 x COM Port Header
DIMENSION	ATX Form Factor Dimension: 30.5cm x 24.4cm (W x L)
OS SUPPORT	Supports Windows XP / Vista / 7 / 8 / 10
BUNDLE SOFTWARE	BIO-Remote2 BIO-Remote
ACCESSORIES	4 x SATA Cable 2 x CrossFire Connector 1 x I/O Shield 1 x Fully Setup Driver CD 1 x User Manual

FEATURES	Windows 8 Ready Supports uEFI GUI Interface BIOS Supports AOD ACC Supports 100% Solid capacitor Supports Rapid Switch Rapid Debug3 BIO-FLASHER Supports Toverclocker OC software Supports GPU
TA990FXE OVERVIEW	
Audio+	
	Blu-ray Audio Upgrading your Audio performance in the easiest way is choosing BIOSTAR ultimate Motherboard. It does support Blu-ray audio DRM (compatible driver/software) and provide the higher audio output of 24 bit/ 192KHz than the 16 bit/ 48KHz from the normal MB. You will experience the high quality sound effect with pure Blu-Ray Audio.
	S/P DIF Output on board Onboard Optical & Coaxial connector supports your desktop in transferring the non-distortion digital audio output to the AV amplifier and professional speaker system.
Video+	
	ATI CrossFire X™ Technology ATI CrossFireX™ is the ultimate multi-GPU performance gaming platform. With game-dominating power, ATI CrossFireX technology enables two or more discrete graphics processors to work together to improve system performance. It supports up to four ATI Radeon™ HD graphics cards, making it the most scalable gaming platform ever!
Speed+	
	USB 3.0 Experience Fastest data transfers at 5 Gbps with USB 3.0--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and backward compatible with previous USB 2.0 components.

	Charger Booster Charger booster is the best and efficient charger solution for apple devices such as iPad, iPhone. Basically, Charger booster Technology is able to boost the charging time to be more efficiency and faster once any apple goods connecting to our Motherboard. With charger booster technology, you are able to charge your apple devices up to 42 % faster.
	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.
	SATAIII 6Gbps SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.
	NVIDIA SLI Technology {INS_STR} The advanced NVIDIA® SLI® technology delivers the best gaming performance. Experience the fastest performance imaginable on new killer gaming machines. Surround yourself with amazing 3D performance, remarkable physical effects, and accelerate your most performance-driven applications.
	eSATA One or Two external SATA 3Gb/s ports connectivity with minimal host overhead and host to device latency.
	IEEE1394 on board IEEE 1394a is a serial bus interface for high-speed communication and data transfer. Major applications are in desktop, digital video/audio and other portable devices.



Tweak Tech

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+



100% Solid Caps

With armor-plated Biostar Technology, all capacitors are placed with 100% solid capacitors that have a lasting life cycle, durability and stability for crucial components.



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.

Protection+



BullGuard Internet Security (90 days FREE trial)

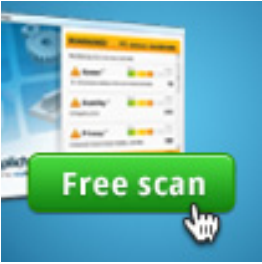
BullGuard Internet Security comes with the broadest line-up of internet security features on the market, including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!

DIY+



UEFI BIOS

Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-understand icons leads users into the setup layer directly.

	BIO-Remote 2 BIO-Remote2 Technology is featuring users a better Home Theater environment. Users who own either Android mobile or Apple goods are able to access and control your PC remotely; At this moment, you're smart device became a intelligent and functional remote controller; more than that, BIO-Remote2 also includes both function of mouse pad and power point presentation mode.
	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.
	eHot-Line 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 3

Rapid Debug 3 posts critical POST code information in a digital LED display. When system malfunction occurs, it auto-detects the device's failure and translates the error codes on the digital LED.

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