

TA970 Motherboard



- Supported Socket AM3+ processors AMD FX/ Phenom II/ Athlon II processor
- Supported AMD Mutil Core(x8,x6)
- AMD 140W processor support
- AMD 970 Chipset
- 4 DIMM supported DDR3-2000(OC)/1866/1600/1333/1066
- Supported SATA 6Gb/s 2X speed than current SATA 3G
- Supported USB 3.0
- UEFI BIOS natively supports HDD larger than 2TB
- [AMD OverDrive™ with ACC feature \(Advanced Clock Calibration\) supported](#)

TA970 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 4.8G
MEMORY	Support Dual Channel DDR3 2000(OC)/1866/1600/1333/1066/800 MHz 4 x DDR3 DIMM Memory Slot Max. Supports up to 64GB Memory
STORAGE	6 x SATA III Connector Support SATA RAID: 0,1,5,10
LAN	Realtek RTL8111F - 10/100/1000 Controller

AUDIO CODEC	Realtek ALC892 8-Channel Blu-ray Audio
USB	ASMedia ASM1042 A4 USB 3.0 controller 2 x USB 3.0 Port 6 x USB 2.0 Port 2 x USB 2.0 Header
EXPANSION SLOT	2 x PCI-E 2.0 x16 Slot(x16, x4) 2 x PCI-E 2.0 x1 Slot 2 x PCI Slot
REAR I/O	1 x PS/2 Mouse 1 x PS/2 Keyboard 2 x USB 3.0 Port 6 x USB 2.0 Port 1 x LAN Port 6 x Audio Jacks
INTERNAL I/O	2 x USB 2.0 Header 6 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 CIR Header 1 x COM Port Header 1 x Printer Port Header
H/W MONITORING	CPU / System Temperature Monitoring CPU / System Fan Monitoring Smart / Manual CPU Fan Control System Voltage Monitoring
DIMENSION	ATX Form Factor Dimension: 30.5cm x 22.5cm (W x L)
OS SUPPORT	Supports Windows XP / Vista / 7 / 8 / 10
BUNDLE SOFTWARE	BIO-Remote2 BIO-Remote Smart Speed LAN
ACCESSORIES	2 x SATA Cable 1 x I/O Shield 1 x DVD Driver 1 x User Manual
FEATURES	Windows 8 Ready Supports uEFI GUI Interface BIOS Supports AOD ACC Supports 100% Solid capacitor BIO-FLASHER Supports Charger Booster Supports BIOS Online Update

TA970 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.

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+



SmartSpeedLAN

SmartSpeedLAN is a free software application which monitors and manages your PC's network behavior. With user-friendly GUI, it allows you to select and prioritize different types of network traffic, including gaming, media streaming, communications or web surfing. You can also set any specific applications, choosing to prioritize or block accordingly. SmartSpeedLAN can feature automatic management options that use adaptive networking intelligence to ensure that you are getting the best online experience possible.



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.



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.



eSATA

One or Two external SATA 3Gb/s ports connectivity with minimal host overhead and host to device latency.



Dual Channel DDR3

It supports 2 or 4 DIMM Slots DDR3 memory that features data transfer rates of DDR3 2000(O.C.)/1800(O.C.)/1600/1333. The processor support 2 memory channels and setting the memory multiplier, allows selection of the channel speed. These clearly uplift the band width and boost the overall system performance.

Durable+



Moistureproof of PCB

The popularity of PC usage and working environment is getting deteriorating and moist (rural, coastal, etc.). The PCB will be oxidizing easily by damp or absorbed moisture, and ionic migration or CAF (Conductive Anodic Filament) will be generated. Moisture-proof PCB meets high density and high reliability requirements for moisture proof.

	5 Phase Power Phase Design 5-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.
	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.
Protection+	
	ESD Protection ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS.
	BIOS Virus Protection When enabled, the BIOS will protect the boot sector and partition table by halting the system and flashing a warning message whether there's an attempt to write to these areas.
	OC / OV / OH Protection OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.
	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!



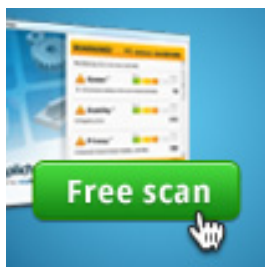
BIO-Remote 2

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.



BIOScreen Utility

Personalize your desktop with customizable boot logo. BIOScreen is the new feature that lets you personalize and create your own style with unique, custom-made boot logo.

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