

## TA780G M2+ HP 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 780G chipset
- Dual-Channel DDR2 -1066/800/667/533
- Integrated HD3200-based graphics (DX10)
- Solid Capacitors designed in CPU VRM area
- Support AMD Hybrid CrossFire X Technology
- Native resolution with UVD and HDCP for Blu-ray playback
- **Support AMD Phenom 9850 125W TDP Processors**
- Integrated DVI interface with HDCP
- Optional DVI to HDMI® adapter

### TA780G M2+ HP Specification

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
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™ HD3200 Graphics, On Board Graphic Max. Memory Share Up to 512 MB Support ATI Hybrid Crossfire
STORAGE	6 x SATA II Connector 1 x IDE Connector Support SATA RAID: 0,1,10
LAN	Realtek RTL8111C - 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 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 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 1 x System Fan Connector 1 x COM Port Header 1 x Printer Port Header
DIMENSION	Micro ATX Form Factor Dimension: 24.4cm X 21.5cm ( W x L )
OS SUPPORT	Supports Windows XP / Vista
ACCESSORIES	1 x IDE Cable 2 x SATA Cable 1 x SATA Power Cable 1 x I/O Shield 1 x Fully Setup Driver CD 1 x User Manual 1 x DVI to HDMI® adapter (Optional)

<p>FEATURES</p>	<p>Supports AM3/AM2+ Supports Solid capacitor Tweak Tech Supports Fanless Supports Clean-Tone Supports O.N.E Supports C.R.P Supports S.R.S Supports M.I.T</p>
<p>TA780G M2+ HP OVERVIEW</p>	
<p>CPU-Chipset</p>	
	<p>AMD 780G+SB710</p>
	<p>AM3/AM2+ Support</p> <p>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.</p>
	<p>AMD HD ! Experience</p> <p>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.</p>



### 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.

### 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.

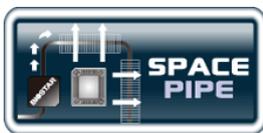


**Tweak Tech**

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+



Space-Pipe

SPACE-pipe is a new silent north bridge cooling device. It uses a heat-pipe to conduct heat from the chipset heat sink to a PWM fin-heat sink collection module. Airflow from the CPU fan removes the heat collected from the CPU, the chipset, and PWM fin-heat sink, which cools your system effectively with no additional noise.



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.

	<p>Simplitec</p> <p>"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.</p>
	<p>BIO-Flasher</p> <p>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.</p>
	<p>BIO-ReLife</p> <p>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.</p>
	<p>eHot-Line Utilitiy</p> <p>Integrated e-service automatically sends your technical support request to Biostar Globe tech support without any delay.</p>
<p>*The specification and pictures are subject to change without notice and the package contents may differ by area or your motherboard version!</p>	