

## A780LB Motherboard



- Socket AM2+
- Supports AMD Phenom II Series/ Athlon II Processors
- Hyper Transport Technology up to 2G
- Supports AMD Cool'n'Quiet Technology
- Supports BIO-Remote 2 Technology
- Supports Charger Booster Technology

## A780LB Specification

CPU SUPPORT	<p>AMD Phenom™ II X4 Processor          AMD Phenom™ II X3 Processor          AMD Phenom™ II X2 Processor          AMD Athlon™ II X4 Processor          AMD Athlon™ II X2 Processor          AMD Sempron™ Processor          Maximum CPU TDP (Thermal Design Power) :          95Watt</p>
HT	Support HT 2G
MEMORY	<p>Support Dual Channel DDR2 533/667/800/1066 MHz          2 x DDR2 DIMM Memory Slot          Max. Supports up to 8GB Memory</p>
INTEGRATED VIDEO	<p>ATI Radeon™ HD3000 Graphics, On Board Graphic          Max. Memory Share Up to 512 MB</p>
STORAGE	<p>4 x SATA II Connector          1 x IDE Connector          Support SATA RAID: 0,1,10</p>
LAN	Realtek RTL8103EL - 10/100 Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio
USB	<p>4 x USB 2.0 Port          2 x USB 2.0 Header</p>

EXPANSION SLOT	1 x PCI-E 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 VGA Port 1 x LAN Port 3 x Audio Jacks
INTERNAL I/O	2 x USB Header 4 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 S/PDIF-Out Header 1 x CPU Fan Connector 1 x System Fan Connector 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	Micro ATX Form Factor Dimension: 23.5cm X 18.2cm ( W x L )
OS SUPPORT	Supports Windows XP / Vista / 7
ACCESSORIES	2 x SATA Cable 1 x I/O Shield 1 x Fully Setup Driver CD 1 x Quick Guide
FEATURES	Windows 7 Compatible Supports Solid capacitor BIO-FLASHER

## A780LB OVERVIEW

**CPU-Chipset**



## AMD 760G+SB710

Powered by ATI Radeon™ Graphics, DirectX® 10 introduces detail-rich images and dynamic interactivity designed for playing the latest DirectX® 10 games. AMD® 760G 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.



## Socket AM2+ Phenom processors Support

Supporting AMD® Socket AM2+ Quad /Triple Core processors, it delivers better overclocking capabilities with low power consumption. Phenom processor features dual-channel DDR2 1066 memory support and accelerates data transfer rate by up to 5200MT/s via HyperTransport™ 3.0 system bus.

## Audio+



## HD Audio

Provides high quality sound with minimal loss of audio fidelity.

## 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.



## 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.

## 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.



## 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.

## 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.



## 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+



## 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**  
THE ALL-IN-ONE  
MEDIA SOLUTION

**FREE  
DOWNLOAD**

## 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.



## eHot-Line Utility

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



## 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!**