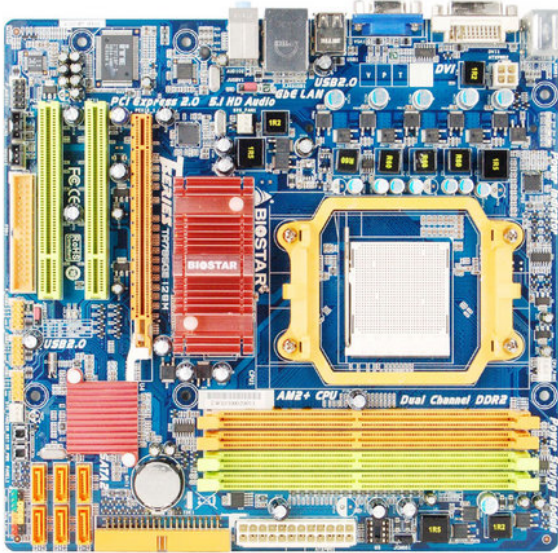


## TA785GE 128M Motherboard



- Supported Socket AM3 processors AMD Phenom II processor
- Support latest AMD Phenom X4 , X3 / Athlon /Sempron processors
- AMD 125W processor support
- AMD 785G Chipset with ATI Radeon HD 4200 Graphics
- 4 DIMM supported DDR2-1200/1066
- On Board 128MB DDR2 Side-Port memory
- ATI Hybrid Graphics Support
- Supported 1080P HD Video Experience by optional DVI to HDMI® adapter
- BIOSTAR G.P.U (Green Power Utility ) Technology
- Micro ATX Form-factor
- **AMD OverDrive™ with ACC feature (Advanced Clock Calibration) supported**

## TA785GE 128M Specifcation

### CPU SUPPORT

AMD Phenom™ II X6 Processor  
 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 HT3.0 up to 5.2GT/s (Depends on AMD CPU Specification)

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™ HD4200 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: 0,1,10
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 / 7
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

Supports BIO-unlockING  
Windows 7 Compatible  
Supports AOD ACC  
Supports Phenom II x6  
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

## TA785GE 128M OVERVIEW

### CPU-Chipset



### 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.

### 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**

## 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+**



## 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)

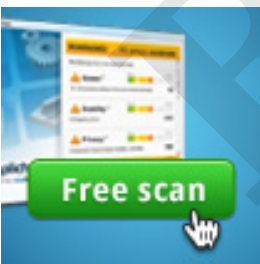
BIOSTAR G.P.U (Green Power Utility) is a new function that enhances energy efficiency by disabling extra phases while CPU is under light loading. It integrates a friendly GUI to monitor the resourcing and response of your CPU thus optimizing the power saving function in your system. G.P.U. constantly 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.



## Rapid Debug

There is no need to check any H/W installation error. Onboard LED indicator answers the question for the user.

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