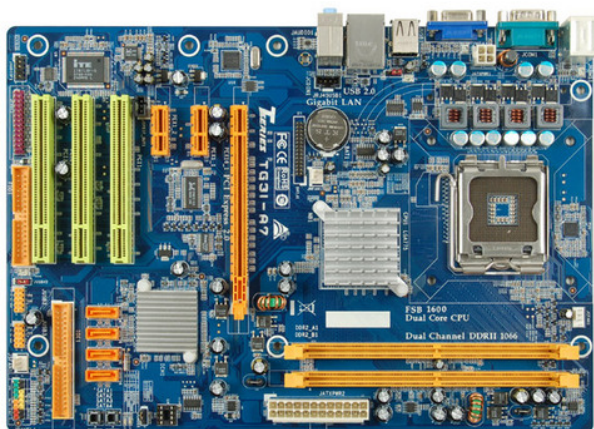


TG31-A7 Motherboard



- Intel LGA775 Platform
- Support latest Intel Socket 775 Core 2 Quad/Core 2 Duo/Pentium Dual-Core/Celeron Dual-Core/Celeron 400 series Processors
- Support Intel 45nm CPU processors
- FSB 1600(OC)/1333/1066
- Intel G31 chipset
- Dual-Channel DDR2 -1066(OC)/800/667
- Solid Capacitors designed in CPU VRM area
- [Optional DVI add on Card for Hi-resolution Video Quality](#)

TG31-A7 Specifcation

CPU SUPPORT	Intel® Core™ 2 Quad Processor Intel® Core™ 2 Duo Processor Intel® Pentium® Dual-Core Processor Intel® Celeron® Dual-Core Processor Intel® Celeron® Processor 400 Sequence
FSB	Support FSB 533/800/1066/1333/1600(OC)MHz
MEMORY	Support Dual Channel DDR2 533/667/800/1066(OC) MHz 2 x DDR2 DIMM Memory Slot Max. Supports up to 4GB Memory
INTEGRATED VIDEO	Intel Graphics Media Accelerator 3100 On Board Graphic Max. Share Memory 256MB
STORAGE	4 x SATA II Connector 1 x IDE Connector
LAN	Realtek RTL8111C - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio
USB	4 x USB 2.0 Port 2 x USB 2.0 Header

EXPANSION SLOT	1 x PCI-E x16 Slot 2 x PCI-E x1 Slot 3 x PCI Slot
REAR I/O	1 x PS/2 Mouse 1 x PS/2 Keyboard 4 x USB 2.0 Port 1 x COM Port 1 x VGA Port 1 x LAN Port 3 x Audio Jacks
INTERNAL I/O	2 x USB 2.0 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 CD-IN Header 1 x S/PDIF-Out Header 1 x CPU Fan Connector 2 x System Fan Connector 1 x Printer Port Header
DIMENSION	ATX Form Factor Dimension: 30.5 cm X 21 cm (W x L)
OS SUPPORT	Supports Windows 2000 / 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 Adapter Card (Optional)
FEATURES	Supports Solid capacitor Tweak Tech Supports Fanless Supports Clean-Tone Supports O.N.E Supports Rapid Switch Supports Rapid Debug BIO-FLASHER Supports Toverclocker OC software
TG31-A7 OVERVIEW	
CPU-Chipset	



FSB1600 Support

Based on Biostar's excellent Tseries design and reliable components, this motherboard native supports FSB 1600/ 1333 / 1066 / 800 MHz which allow you to enjoy the latest Intel technology backed by one of the most powerful CPUs in the world.

Audio+



Clean-Tone

Clean Tone Technology

Biostar innovative low distortion audio design reduces high frequency noise generated by a motherboard. One independent capacitor per channel handles the occurring noise. Onboard 8+2 channel Realtek ALC 888CODEC features an HD audio solution. T-series delivers a signal to the noise ratio over 95dB which perfectly fits into the Windows Vista premium environment.

Video+



DVI {INS_STR}

DVI is better than VGA for LCD displays since it is digital while VGA is analog. For LCD displays, the picture is digitized pixel per pixel. Through DVI, the panel gets data for each pixel, so the picture generated in the Graphics device matches the pixels on the panel itself.

Speed+



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)

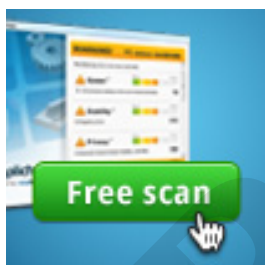
Biostar adopts low ESR and high ripple conductive solid state caps that provide sufficient, stable power supply to the CPU. The life span can also be more than 6.25 x of ordinary liquid caps.

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.



eHot-Line Utilitiy

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



Rapid Switch 2

Engineered by BIOSTAR, the exquisite onboard switches allow you to easily shut down and restart your system.



Rapid Debug2

Rapid Debug 2

There is no need to check any H/W installation error. Onboard LED indicator shows 6 kinds of messages: CPU power, MB power, CPU, memory and PCI-E, SATA.

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