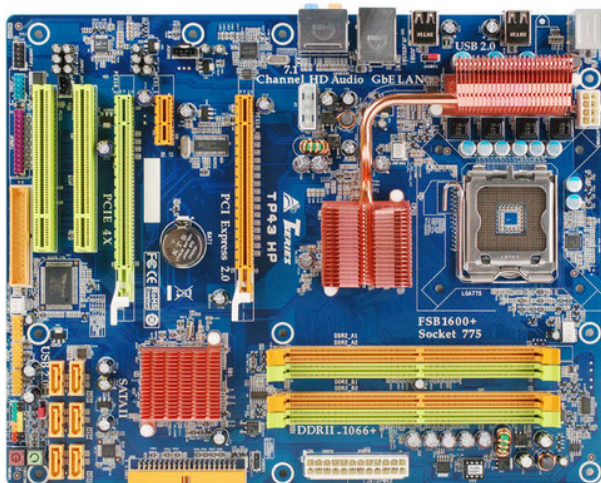


## TP43 HP Motherboard



- Intel LGA775 Platform
- Support latest Intel Socket 775 Core 2 Extreme/Core 2 Quad/Core 2 Duo Processors
- Support Intel 45nm CPU processors
- Intel P43+ICH10 chipset
- FSB 1600(OC)/1333/1066
- Dual-Channel DDR2 -1066(OC)/800/667
- Dual PCI Express x 16 slot ( x16 , x4 bandwidth)
- Biostar Space-Pipe (Heatpipe) Thermal solution
- Japanese Solid Capacitors designed on CPU VRM

### TP43 HP Specification

|             |                                                                                                                                                                                                                           |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU SUPPORT | Intel® Core™ 2 Extreme Processor<br>Intel® Core™ 2 Quad Processor<br>Intel® Core™ 2 Duo Processor<br>Intel® Pentium® Dual-Core Processor<br>Intel® Celeron® Dual-Core Processor<br>Intel® Celeron® Processor 400 Sequence |
| FSB         | Support FSB 800/1066/1333/1600(OC)MHz                                                                                                                                                                                     |
| MEMORY      | Support Dual Channel DDR2 667/800/1066(OC) MHz<br>4 x DDR2 DIMM Memory Slot<br>Max. Supports up to 8GB Memory                                                                                                             |
| STORAGE     | 6 x SATA II Connector<br>1 x IDE Connector                                                                                                                                                                                |
| LAN         | Realtek RTL8111C - 10/100/1000 Controller                                                                                                                                                                                 |
| AUDIO CODEC | Realtek ALC888 8+2 Channel HD Audio                                                                                                                                                                                       |
| USB         | 6 x USB 2.0 Port<br>3 x USB 2.0 Header                                                                                                                                                                                    |

|                  |                                                                                                                                                                                                                                                                                                           |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXPANSION SLOT   | 2 x PCI-E 2.0 x16 Slot(1 x16, 1 x4)<br>1 x PCI-E x1 Slot<br>2 x PCI Slot                                                                                                                                                                                                                                  |
| REAR I/O         | 1 x PS/2 Mouse<br>1 x PS/2 Keyboard<br>6 x USB 2.0 Port<br>1 x LAN Port<br>6 x Audio Jacks                                                                                                                                                                                                                |
| INTERNAL I/O     | 3 x USB 2.0 Header<br>6 x SATA II Connector (3Gb/s )<br>1 x IDE Connector<br>1 x Floppy Connector<br>1 x Front Audio Header<br>1 x Front Panel Header<br>1 x CD-IN Header<br>1 x S/PDIF-Out Header<br>1 x CPU Fan Connector<br>2 x System Fan Connector<br>1 x COM Port Header<br>1 x Printer Port Header |
| DIMENSION        | ATX Form Factor Dimension: 30.5 cm X 24.4 cm ( W x L )                                                                                                                                                                                                                                                    |
| OS SUPPORT       | Supports Windows 2000 / XP / Vista                                                                                                                                                                                                                                                                        |
| ACCESSORIES      | 1 x IDE Cable<br>4 x SATA Cable<br>2 x SATA Power Cable<br>1 x I/O Shield<br>1 x Fully Setup Driver CD<br>1 x User Manual                                                                                                                                                                                 |
| FEATURES         | Supports Space-Pipe Thermal solution<br>Supports Solid capacitor<br>Tweak Tech<br>Supports Clean-Tone<br>Supports O.N.E<br>Supports Rapid Switch2<br>Supports Rapid Debug<br>BIO-FLASHER<br>Supports Toverclocker OC software                                                                             |
| TP43 HP OVERVIEW |                                                                                                                                                                                                                                                                                                           |
| CPU-Chipset      |                                                                                                                                                                                                                                                                                                           |



#### Intel P43 chipset

The Intel® P43 Chipset supports the latest multi-core processors with FSB 1600MHz, plus the 45nm processors with record-breaking performance and greater energy efficiency. Intel® P43 chipset with optimized system memory capabilities and maximum overclocking, provides faster boot and application load times, as well as additional power saving advantage and scalable options for HD video and 3D gaming!



#### 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 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.

#### 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.



#### 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.

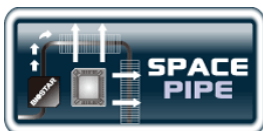


**Tweak Tech**

#### 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)

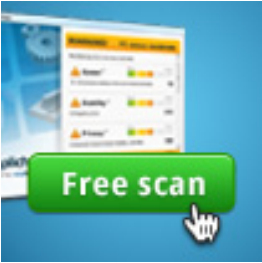
Biostar adopts low ESR and high ripple conductive solid state caps that provide sufficient, stable power supply to the CPU. The life span can also be more than 6.25 x of ordinary liquid caps.

#### 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 Utiltiy</p> <p>Integrated e-service automatically sends your technical support request to Biostar Globe tech support without any delay.</p>                                                                                                                                                                                   |
|                                                                   | <p>Rapid Switch</p> <p>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.</p>                                                                                                     |
|  <p><b>Rapid Debug2</b></p>                                       | <p>Rapid Debug 2</p> <p>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.</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> |                                                                                                                                                                                                                                                                                                                                            |