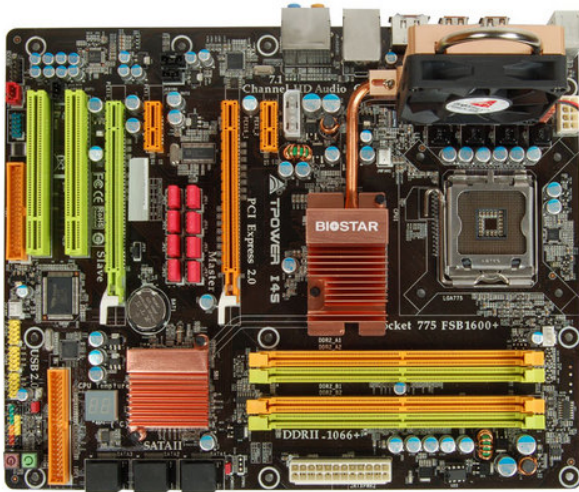


## TPower I45 Motherboard



- Intel LGA775 Platform
- Support latest Intel Socket 775 Core 2 Extreme/Core 2 Quad/Core 2 Duo Processors
- Support Intel 45nm CPU processors
- Intel P45+ICH10R chipset
- FSB 1600(OC)/1333/1066
- Dual-Channel DDR2 -1200(OC)/1066(OC)/800
- Support AMD CrossFire X Technology
- Biostar Exclusive Tpower utility
- Biostar Hybrid Space-Pipe Thermal solution
- 100% Japanese Solid Capacitors design

## TPower I45 Specification

CPU SUPPORT	Intel® Core™2 Extreme Processor 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 800/1066/1333/1600(OC)MHz
MEMORY	Support Dual Channel DDR2 667/800/1066(OC)/1200(OC) MHz 4 x DDR2 DIMM Memory Slot Max. Supports up to 16GB Memory
STORAGE	6 x SATA II Connector 2 x eSATA Connector 1 x IDE Connector Support SATA RAID: 0,1,5,10
LAN	Realtek RTL8111C - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC888S 8+2 Channel HD Audio

USB	6 x USB 2.0 Port 3 x USB 2.0 Header
EXPANSION SLOT	2 x PCI-E 2.0 x16 Slot(CFX x8) 2 x PCI-E x1 Slot 2 x PCI Slot
REAR I/O	1 x PS/2 Mouse 1 x PS/2 Keyboard 2 x eSATA2 Connector 6 x USB 2.0 Port 1 x LAN Port 6 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-IN Header 2 x S/PDIF-Out Header 1 x CPU Fan Connector 2 x System Fan Connector 1 x COM 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 6 x SATA Cable 6 x SATA Power Cable 1 x S/PDIF Cable 1 x I/O Shield 1 x Fully Setup Driver CD 1 x User Manual 1 x DIY Thermal Kit
FEATURES	Windows 7 Compatible Supports Space-Pipe Thermal solution Supports Hybrid Space-Pipe Supports 100% Solid capacitor Tweak Tech Supports Clean-Tone Supports T-Power Supports Rapid Switch2 BIO-FLASHER Supports Cooler Harbor

## TPower I45 OVERVIEW

## CPU-Chipset



### Intel P45 chipset

The Intel® P45 Chipset supports the latest multi-core processors with FSB 1600MHz, plus the 45nm processors with record-breaking performance and greater energy efficiency. Intel® P45 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.

## Video+



### ATI CrossFire X™ Technology

ATI CrossFireX™ is the ultimate multi-GPU performance gaming platform. With game-dominating power, ATI CrossFireX technology enables two or more discrete graphics processors to work together to improve system performance. It supports up to four ATI Radeon™ HD graphics cards, making it the most scalable gaming platform ever!

## 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.



### eSATA

One or Two external SATA 3Gb/s ports connectivity with minimal host overhead and host to device latency.



**1 Click Tweak**

### 1Click Tweak

This is powered by Biostar Engineering. You can boost your MB and graphics cards system performance in a few seconds! Take flight with your desktop OC!



**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-Power 2

T-Power2™ is a new powerful MB utility designed by Biostar Engineers for exclusive use on Biostar motherboards and VGA cards. T-Power2™ interacts hardware and software management. T-Power2 incorporates Windows-based OC Tweaker™, BIO-WATCH™, eHot-line™ and Biostar Flash™ into a user-friendly interface, providing users the perfect environment with which to maximize performance and stability.



## OC-Tweaker

It has a Dynamic OC and 1-click feature for BIOSTAR MB and BIOSTAR V-Ranger graphics card functions.



**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.



## DDR2-1200

Dual Channel DDR2 1200/1066/800 Color coded DIMM slots designate paired dual channel memory. Many solid capacitors around the high frequency DDR2 DIMMs ensure sufficient and stable power supply even at full loading.

## Durable+



**Hybrid Space-Pipe**

## Hybrid Space-Pipe {INS\_STR}

A desktop system increases more fans to achieve better overclocking. Normally, a motherboard's heat generators include chipsets, PWM and graphics card. Combining Biostar's "Cooler Harbor" and "V-Pipe" thermal solution delivers silent and ultimate thermal performance. Overclockers can boost desktop performance effortlessly with this dynamic innovation!



**COOLER HARBOR**

## Cooler Harbor {INS\_STR}

The effective thermal design directs the heat generated by the MB chipsets to the heat sink on the rear I/O panel, which is easily expelled by the existing airflow from the CPU fan. The ideal heat-pipe design on this motherboard is an original fanless design that does not have reliability problems found in a chipset fan. Product Warranty : 12 months



## 100% Solid Caps

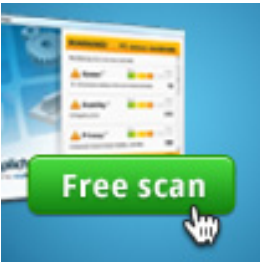
With armor-plated Biostar Technology, all capacitors are placed with 100% solid capacitors that have a lasting life cycle, durability and stability for crucial components.

## 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.



## Driver-Genii

With just 1-click of the BIOSTAR MB cd drivers, all necessary MB drivers are automatically installed in a few seconds.



## 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

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



## BIO-WATCH

It monitors the MB and VGA status as well as the Fuzzy CPU fan control.



## Biostar Flash

It features a 1-click BIOS update under Windows interface.



## Rapid Switch 2

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

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