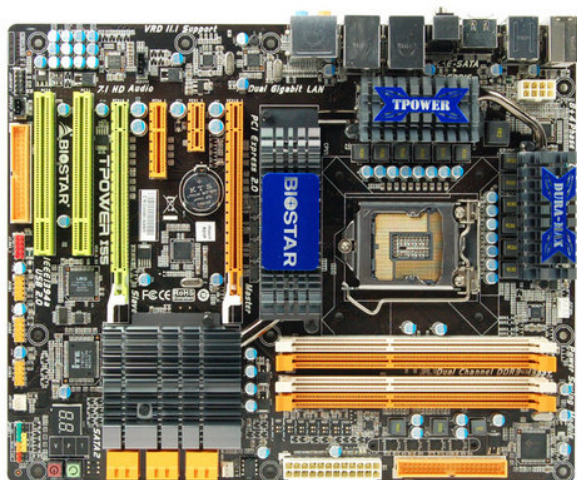


TPower I55 Motherboard



[Click to view P55 Advanced Features](#)

- Supports the Intel Core i7 and Intel Core i5 Processors in the LGA1156 Package
- Intel P55 single chip architecture
- 12 Phases Power Design
- Support 4-DIMM DDR3-2600(OC)/2000(OC)/1800(OC)/1600/1333 up to 16G maximum capacity
- Biostar exclusive Dura-MAX technology
- Support ATI CrossfireX and nVidia SLI Technology
- New Space-pipe heat-pipe thermal solution achieved best thermal performance
- 100% X.D.C Japanese solid capacitor
- BIOSTAR G.P.U (Green Power Utility) Technology for Energy Saving
- BIO-V allowing you to check the voltages of the motherboard with a multimeter
- BIOSTAR Toverclocker utility
- On board Dual GbE
- IEEE1394, eSATA, S/P DIF Out

TPower I55 Specifcation

CPU SUPPORT	Intel® Core™ i7 LGA 1156 Processor Intel® Core™ i5 LGA 1156 Processor
POWER DESIGN	8 -phase CPU power 4 -phase VTT power 2 -phase DRAM power

MEMORY	Support Dual Channel DDR3 800/1066/1333/1600(O.C.)/2000(O.C.)/2600(O.C.) MHz 4 x DDR3 DIMM Memory Slot Max. Supports up to 16GB Memory
STORAGE	6 x SATA II Connector 1 x eSATA II Connector 1 x IDE Connector Support SATA RAID: 0,1,5,10
LAN	Intel 82578DC Gigabit Ethernet PHY Realtek RTL8111DL - 10/100/1000 Controller ※Dual GbE
AUDIO CODEC	Realtek ALC888S 8+2 Channel HD Audio
USB	8 x USB 2.0 Port 3 x USB 2.0 Header
EXPANSION SLOT	2 x PCI-E 2.0 x16 Slot(CFX x8 or SLI x8) 1 x PCI-E x4 Slot 1 x PCI-E x1 Slot 2 x PCI Slot
REAR I/O	1 x PS/2 Keyboard 2 x eSATA2 Connector 1 x FireWire IEEE 1394a Port 8 x USB 2.0 Port 2 x LAN Port 6 x Audio Jacks 1 x S/PDIF Out Port
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 1 x North Bridge FAN Header 2 x System Fan Connector 1 x FireWire IEEE 1394 Header
DIMENSION	ATX Form Factor Dimension: 30.5 cm X 24.4 cm (W x L)
OS SUPPORT	Supports Windows 2000 / XP / Vista / 7

ACCESSORIES	1 x IDE Cable 6 x SATA Cable 6 x SATA Power Cable 1 x SLI Setter 1 x I/O Shield 1 x Fully Setup Driver CD 1 x User Manual
FEATURES	Windows 7 Compatible Supports Space-Pipe Thermal solution Supports 100% Solid capacitor Supports 12-Phase Power Supports Clean-Tone BIO-FLASHER Supports Toverclocker OC software Supports GPU

TPower I55 OVERVIEW

CPU-Chipset



Intel P55 chipset

The Intel® P55 Express Chipset is the new Intel single chipset architecture that supports the latest Intel LGA1156® Core™ i7 & Core i5 Processors using DMI Interconnect with amazing and impressive point-to-point links. It provides more stability and bandwidth enhancement. It also enables the nVidia® SLI technology and ATI CrossFireX™ technology to function on the same motherboard.



Intel LGA 1156 Core™ i7/Core™ i5 Processor support

Lynnfield is the first family of Intel 45nm CPU processors that uses the Intel Nehalem micro architecture in LGA1156 package. It is supported by Intel® DMI Interconnect and integrated with the Dual-channel memory controller with 4 DIMM slots DDR3 memory. It supports the Intel Turbo boost technology and smart cache.

Audio+



S/P DIF Output on board

Onboard Optical & Coaxial connector supports your desktop in transferring the non-distortion digital audio output to the AV amplifier and professional speaker system.



Clean-Tone2

Clean Tone 2 Technology

Biostar innovative low distortion audio design reduces high frequency noise generated by a motherboard. One independent capacitor per channel handles the occurring noise. Clean-Tone 2 delivers a signal to the noise ratio over 98dB which perfectly fits into the Windows 7 OS 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+



NVIDIA SLI Technology {INS_STR}

The advanced NVIDIA® SLI® technology delivers the best gaming performance. Experience the fastest performance imaginable on new killer gaming machines. Surround yourself with amazing 3D performance, remarkable physical effects, and accelerate your most performance-driven applications.



eSATA

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



IEEE1394 on board

IEEE 1394a is a serial bus interface for high-speed communication and data transfer. Major applications are in desktop, digital video/audio and other portable devices.



T-Overclocker

T-overclocker presents a simple Windows-based system performance enhancement and utility management. It features several powerful yet easy to use tools such as overclocking for system performance enhancement, CPU and memory special enhancement, a smart-fan control for managing fan speed control of both CPU cooling fan, north-bridge chipset cooling fan, PC health for monitoring system status, and pre-set OC modes for easy OC.



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.



Dual Channel DDR3

It supports 2 or 4 DIMM Slots DDR3 memory that features data transfer rates of DDR3 2000(O.C.)/1800(O.C.)/1600/1333. The processor support 2 memory channels and setting the memory multiplier, allows selection of the channel speed. These clearly uplift the band width and boost the overall system performance.

Durable+



12 Phase Power Design

8+4 phase VRM design with high quality power components such as low IR Direct FET MOSFETs for lower temperatures, Ferrite core chokes with lower hysteresis loss, and high quality Japanese-made solid capacitors all add up to ensure longer system life and lower power loss.



2-Phase Power

2 Phase Memory Power Design

2-phase independent power design increases memory voltage stability and durability.



IR Direct FET™



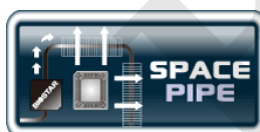
Ferrite Choke



100%X.D.C

Dura-MAX

BIOSTAR Dura-MAX™ is created for the highest quality and most innovative of all motherboard designs. It is a pioneering design that innovates IR DirectFET™ MOSFET, delivering a dramatically lower system temperature, improved energy efficiency and enhanced stability for overclocking needs. Also, it is combined with Japanese solid capacitors and Ferrite core chokes with higher power switching efficiency. Tpower i55 motherboards with Dura-MAX™ guarantee stability, reliability and durability in meeting the motherboard power requirements of new Intel processors and other components that run today's most demanding applications and games.



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.



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.



G.P.U. Power Indicator LED

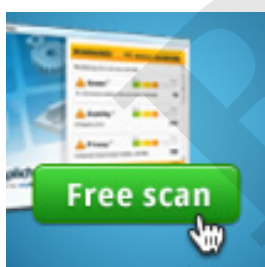
LED display indicates real-time power saving.

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-V(BIOSTAR Voltage Point)

This reads voltages from the RAM, chipset, PCI-E, CPU, QPI and CPU PII's directly.



O.M.G (OverClocking Matrix Genie)

O.M.G (Overclocking Matrix Genie) is designed to automatically adjust key items to maximize system performance. Just press F10 when booting. This allows you to make simple overclocking steps as an OC expert. It lets you adjust the CPU clock, CPU voltage and other key items for overclocking needs.



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.



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.



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.



Rapid Debug 3

Rapid Debug 3 posts critical POST code information in a digital LED display. When system malfunction occurs, it auto-detects the device's failure and translates the error codes on the digital LED.

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

BIOSTAR