

TPower X79 Motherboard



- Design for Intel® LGA 2011 Core-i7 32nm processors
- Supports Quad Channel DDR3 2400+(OC)
- Advanced 9 phases Power Design
- 100 % X.D.C Solid Capacitors
- 3 x PCIe 3.0 x16 Slots, Supports AMD 4-Way CrossFireX™ and NVIDIA® 3-Way SLI™
- PCIe 3.0 Ready
- 8 x USB3.0 , Rapid Switch2 (PWR, RST, ClrCMOS)
- 8 Layers PCB with 2oz cooper
- BIOSTAR Puro Tone HD Audio Technology Supported THX Sound
- uEFI Graphics BIOS

TPower X79 Specification

CPU SUPPORT	Intel® Core™ i7 LGA 2011 Processor Maximum CPU TDP (Thermal Design Power) : 150Watt
MEMORY	Support Quad Channel DDR3 2400(OC)/2133(OC)/1866(OC)/1600/ 1333 /1066 MHz 4 x DDR3 DIMM Memory Slot Max. Supports up to 32GB Memory
STORAGE	4 x SATA III Connector 3 x SATA II Connector 1 x eSATA II Connector Support SATA RAID: 0,1,5,10
LAN	Realtek RTL8111E - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC898 8 Channel Blu-ray Audio

USB	ASMedia ASM1042 USB 3.0 controller 6 x USB 3.0 Port 1 x USB 3.0 Header 2 x USB 2.0 Port 2 x USB 2.0 Header
EXPANSION SLOT	3 x PCI-E 3.0 x16 Slot(x16, 16, x8)4 WAY CFX, 3 WAY SLI 2 x PCI-E 2.0 x1 Slot 1 x PCI Slot
REAR I/O	1 x PS/2 Keyboard 1 x eSATA2 Connector 6 x USB 3.0 Port 2 x USB 2.0 Port 1 x LAN Port 6 x Audio Jacks 1 x S/PDIF Out Port
INTERNAL I/O	1 x USB 3.0 Header 2 x USB 2.0 Header 4 x SATA III Connector (6Gb/s) 3 x SATA II Connector (3Gb/s) 1 x Front Audio Header 1 x Front Panel Header 1 x S/PDIF-Out Header 1 x CPU Fan Connector 2 x System Fan Connector 1 x CIR Header 1 x COM Port Header
DIMENSION	ATX Form Factor Dimension: 30.5cm x 24.4cm (W x L)
OS SUPPORT	Supports Windows XP / Vista / 7
BUNDLE SOFTWARE	BIO-Remote2 BIO-Remote
ACCESSORIES	6 x SATA Cable 1 x SLI Connector 1 x CrossFire Connector 1 x I/O Shield 1 x Fully Setup Driver CD 1 x User Manual

FEATURES	Supports uEFI GUI Interface BIOS Supports THX TruStudio Pro Supports Space-Pipe Thermal solution Supports 100% Solid capacitor Supports Puro Tone HD Audio Technology Supports Rapid Switch2 Rapid Debug3 BIO-FLASHER Supports Toverclocker OC software Supports Charger Booster
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TPower X79 OVERVIEW

CPU-Chipset



Intel X79 chipset

The Intel® X79 Express chipset continues to push innovation with capabilities designed to deliver quality, performance and headroom. The combination of the Intel® X79 Express chipset and 2nd generation Intel® Core™ i7 processor family on the LGA 2011 socket delivers the highest desktop performance.



Intel® 2nd Generation Core™ i7 Processor

The Intel® Core™ i7 processor family for the LGA-2011 socket is the next generation of 64-bit, multi-core desktop processor built on 32-nanometer process technology. Based on the low-power/high performance Intel® Core™ i7 processor microarchitecture, the processor enables higher performance, easier validation, and improved x-y footprint.

Audio+



THX truStudio PRO

THX TruStudio Pro is specially designed to bring the same great audio experience found in live performances, films, and recording studios - to the PC. THX TruStudio Pro provides the latest groundbreaking technologies that are products of years of collective experience and research by Creative and THX. Together, these technologies deliver the fullest audio experience for music, movies and games, while remaining true to the source and intention of the artists who created it.



Puro Tone - 110dB

Excellent multi channel surround sound by a proprietary converter that delivers 110dB noise ratio (SNR) playback quality. This means that users will enjoy a better audio experience with lower levels of noise and hiss when enjoying the latest HD content.

Speed+



USB 3.0

Experience Fastest data transfers at 5 Gbps with USB 3.0--the new latest connectivity standard. Built to connect easily with next-generation components and peripherals, USB 3.0 transfers data 10X faster and backward compatible with previous USB 2.0 components.



Charger Booster

Charger booster is the best and efficient charger solution for apple devices such as iPad, iPhone. Basically, Charger booster Technology is able to boost the charging time to be more efficiency and faster once any apple goods connecting to our Motherboard. With charger booster technology, you are able to charge your apple devices up to 42 % faster.



PCIe 3.0

PCIe 3.0 is the ubiquitous and general-purpose PCI Express I/O standard. At 8GT/s bit rate, the interconnect performance bandwidth is doubled over PCIe 2.0, while preserving compatibility with software and mechanical interfaces.



SATAIII 6Gbps

SATAIII 6Gbps provides a higher bandwidth to retrieve and transfer HD media. With this super speed data transfer, SATAIII allows an incredible data boost which is 2x faster than the SATA II.



8 layer PCB

Industrial standard, high quality 8 layers PCB design for maximum stability and life cycle.



3 way SLI Support

The powerful 3 way SLI enhances image quality settings, maximize screen resolution, and tilt the scales in your favor with up to a 2.8X performance hike over a single-card rig with support for three GeForce GPUs.



4 way CrossFireX Support

4 way CrossFireX allows up to four GPUs to be used in a single computer to improve graphics performance.



eSATA

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



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.



256bit Quad channel DDR3-2133

Maximize performance with quad-channel memory support up to 2133 MHz frequency.

Durable+



9 Phase Power Design

9 phase power design enables the best delivery of power to supercharge your system, giving extreme users unparalleled overclocking ability and the lowest temperatures to reach maximum performance levels.



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.



2 oz Copper PCB

2 ounces of copper for both the Power and Ground layers, delivering a dramatically lower system temperature, improved energy efficiency and enhanced stability for overclocking.



Dual 8-pin EPS connectors

Dual 8-pin EPS 12v+ connectors offer maximum power resources for your daily computing.

Protection+



BullGuard Internet Security (90 days FREE trial)

BullGuard Internet Security comes with the broadest line-up of internet security features on the market, including: a cutting-edge dual Antivirus engine, Online Backup for your precious files, PC Tune Up to speed up your system, a Game Mode for a seamless gaming experience, Parental Control, Firewall, Safe Browsing and many more. Make the most of your digital life with Bullguard!

DIY+



UEFI BIOS

Unified Extensible Firmware Interface (UEFI) is a brand new framework that provides a revolutionary interface. It is a modern clear and easy-to-use graphical user interface. The UEFI comes with a colorful easy-understand icons leads users into the setup layer directly.



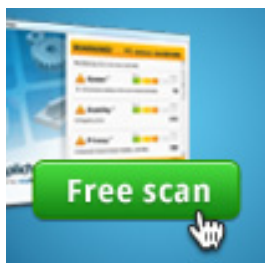
BIO-Remote 2

BIO-Remote2 Technology is featuring users a better Home Theater environment. Users who own either Android mobile or Apple goods are able to access and control your PC remotely; At this moment, you're smart device became a intelligent and functional remote controller; more than that, BIO-Remote2 also includes both function of mouse pad and power point presentation mode.



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 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!**