

## T77 Motherboard



- Support the Intel 3rd and 2nd generation Core i7 and Core i5 processors in the 1155 package
- Intel H77 single chip architecture
- Support 4-DIMM DDR3-2400(OC)/ 2200(OC)/ 2000(OC)/ 1800(OC)/ 1600/ 1333 up to 32G maximum capacity
- Support SATA 6Gb/s 2X speed than current SATA 3G
- Support USB 3.0
- 100% X.D.C solid capacitor
- BIOSTAR G.P.U (Green Power Utility) Technology for Energy Saving
- BIOSTAR Toverclocker utility

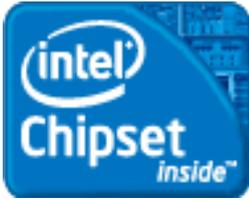
## T77 Specification

CPU SUPPORT	Intel® Core™ i7 LGA 1155 Processor Intel® Core™ i5 LGA 1155 Processor Intel® Core™ i3 LGA 1155 Processor Maximum CPU TDP (Thermal Design Power) : 95Watt
MEMORY	Support Dual Channel DDR3 2400(OC)/2200(OC)/2000(OC)/1800(OC)/1600/1333/1066 MHz 4 x DDR3 DIMM Memory Slot Max. Supports up to 32GB Memory
INTEGRATED VIDEO	By CPU model Supports DX11 Supports HDCP
STORAGE	2 x SATA III Connector 4 x SATA II Connector Support SATA RAID: 0,1,5,10 Support Intel Smart Response Technology
LAN	Realtek RTL8111E - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC892 8-Channel Blu-ray Audio
USB	2 x USB 3.0 Port 1 x USB 3.0 Header 4 x USB 2.0 Port 2 x USB 2.0 Header Intel USB3.0 only support Win7 or later version

EXPANSION SLOT	<ul style="list-style-type: none"> <li>1 x PCI-E 3.0 x16 Slot(supported by Core i5 -3xxx / Core i7 3xxx CPU)</li> <li>1 x PCI-E 2.0 x16 Slot(x4)</li> <li>2 x PCI-E 2.0 x1 Slot</li> <li>2 x PCI Slot</li> </ul>
REAR I/O	<ul style="list-style-type: none"> <li>1 x PS/2 Keyboard</li> <li>2 x USB 3.0 Port</li> <li>4 x USB 2.0 Port</li> <li>1 x HDMI® Connector</li> <li>1 x DVI Connector</li> <li>1 x VGA Port</li> <li>1 x LAN Port</li> <li>6 x Audio Jacks</li> </ul>
INTERNAL I/O	<ul style="list-style-type: none"> <li>1 x USB 3.0 Header</li> <li>2 x USB 2.0 Header</li> <li>2 x SATA III Connector (6Gb/s)</li> <li>4 x SATA II Connector (3Gb/s )</li> <li>1 x Front Audio Header</li> <li>1 x Front Panel Header</li> <li>1 x S/PDIF-Out Header</li> <li>1 x CPU Fan Connector</li> <li>2 x System Fan Connector</li> <li>1 x CIR Header</li> <li>1 x COM Port Header</li> </ul>
H/W MONITORING	<ul style="list-style-type: none"> <li>CPU / System Temperature Monitoring</li> <li>CPU / System Fan Monitoring</li> <li>Smart / Manual CPU Fan Control</li> <li>System Voltage Monitoring</li> </ul>
DIMENSION	ATX Form Factor Dimension: 29.5 cm x 22 cm ( W x L )
OS SUPPORT	Supports Windows XP / Vista / 7 / 8
BUNDLE SOFTWARE	<ul style="list-style-type: none"> <li>BIO-Remote2</li> <li>BIO-Remote</li> </ul>
ACCESSORIES	<ul style="list-style-type: none"> <li>4 x SATA Cable</li> <li>1 x I/O Shield</li> <li>1 x DVD Driver</li> <li>1 x User Manual</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>Windows 8 Ready</li> <li>Supports uEFI GUI Interface BIOS</li> <li>Supports 100% Solid capacitor</li> <li>Supports Rapid Switch2</li> <li>Rapid Debug3</li> <li>BIO-FLASHER</li> <li>Supports Toverclocker OC software</li> <li>Supports GPU</li> <li>Supports Charger Booster</li> <li>Supports BIOS Online Update</li> </ul>

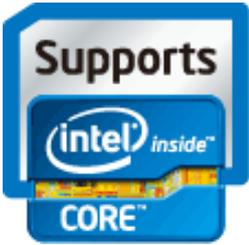
## T77 OVERVIEW

## CPU-Chipset



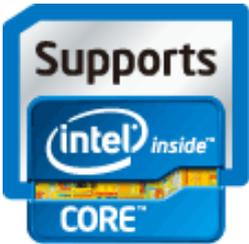
### Intel H77 chipset

Intel® H77 Express Chipset delivers improved performance and responsiveness. The first H family chipset to add the Intel® Smart Response Technology and RST caching technology, H77 delivers an agile PC response for fast system boot time and application load time when used in conjunction with a SSD.



### Intel LGA 1155 3rd Generation Intel Core™ Processor support

Intel 3rd generation processor "Ivy Bridge" is the codename for Intel's 22nm of the Sandy Bridge microarchitecture. The first to use tri-gate("3D") transistors, it is also backwards-compatible with the Sandy Bridge platform requiring a BIOS/firmware update.



### Intel LGA 1155 2<sup>nd</sup> Generation Intel Core™ Processors support

2<sup>nd</sup> Generation Intel® Core™ Processors with New 32nm Intel® micro architecture / Impressive leap in energy-efficient performance / Optimized Intel Turbo Boost Technology and Intel Hyper-Threading Technology / Significant advances in visual and 3D graphics capabilities / New Intel RAVX instructions for enhanced floating point intensive application performance.

## Audio+



### Blu-ray Audio

Upgrading your Audio performance in the easiest way is choosing BIOSTAR ultimate Motherboard. It does support Blu-ray audio DRM (compatible driver/software) and provide the higher audio output of 24 bit/ 192KHz than the 16 bit/ 48KHz from the normal MB. You will experience the high quality sound effect with pure Blu-Ray Audio.

## Video+



## HDMI® 3D Visual

The HDMI® 3D Visual provides a level of interoperability for devices designed to deliver 3D content over the HDMI® connection. The latest HDMI® Specification adds key enhancements to support the market requirements for bringing broadcast 3D content into the home featuring key enhancements for 3D applications including the addition of mandatory 3D formats for broadcast content.

## Speed+



## 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.



## SRT(Intel Smart Response Technology)

Intel Smart Response Technology is an Intel Rapid Storage Technology(RST) eaching feature that improves computer system performance. It allows a user to configure computer systems with an SSD used as cache memory between the hard disk drive and system memory. This provides the advantage of having a hard disk drive(or a RAID volume) for maximum storage capacity while delivering an SSD-like overall system performance experience.



## 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.



## 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+



## 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.

## 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+



## BIO-Remote 2

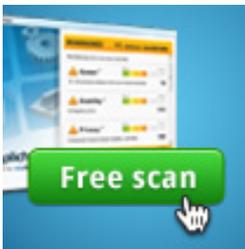
BIO-Remote2 Technology is featuring users a better Home Theater environment. Users who own either Android mobile or Apple goods are able to access and control your PC remotely; At this moment, you're smart device became a intelligent and functional remote controller; more than that, BIO-Remote2 also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

**MX SUITE**  
THE ALL-IN-ONE  
MEDIA SOLUTION



## 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 Utiliy

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



## 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.



## Rapid Switch

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.

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

BIOSSTAR