

## H61MGV Motherboard



- Socket LGA 1155
- Supported the Intel 3rd and 2nd generation Core i7/ i5/ i3 processors in the 1155 package
- Supported 2 DIMM of DDR3 1600/1333/1066MHz
- Supports BIO-Remote 2 Technology

## H61MGV Specification

CPU SUPPORT	Intel® Core™ i7 LGA 1155 Processor Intel® Core™ i5 LGA 1155 Processor Intel® Core™ i3 LGA 1155 Processor Intel® Pentium® LGA 1155 Processor Intel® Celeron® LGA 1155 Processor Maximum CPU TDP (Thermal Design Power) : 95Watt
MEMORY	Support Dual Channel DDR3 1600/1333/1066 MHz 2 x DDR3 DIMM Memory Slot Max. Supports up to 16GB Memory
INTEGRATED VIDEO	By CPU model
STORAGE	4 x SATA II Connector
LAN	Realtek RTL8111F - 10/100/1000 Controller
AUDIO CODEC	Realtek ALC662 6-Channel HD Audio
USB	4 x USB 2.0 Port 2 x USB 2.0 Header
EXPANSION SLOT	1 x PCI-E 3.0 x16 Slot(supported by Core i5 -3xxx / Core i7 3xxx CPU) 1 x PCI-E 2.0 x1 Slot

REAR I/O	<ul style="list-style-type: none"> <li>1 x PS/2 Mouse</li> <li>1 x PS/2 Keyboard</li> <li>4 x USB 2.0 Port</li> <li>1 x VGA Port</li> <li>1 x LAN Port</li> <li>3 x Audio Jacks</li> </ul>
INTERNAL I/O	<ul style="list-style-type: none"> <li>2 x USB 2.0 Header</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 CPU Fan Connector</li> <li>1 x System Fan Connector</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	Micro ATX Form Factor Dimension: 22.6cm x 17cm ( W x L )
OS SUPPORT	Supports Windows XP / Vista / 7 / 8
BUNDLE SOFTWARE	BIO-Remote2
ACCESSORIES	<ul style="list-style-type: none"> <li>2 x SATA Cable</li> <li>1 x I/O Shield</li> <li>1 x DVD Driver</li> <li>1 x Quick Guide</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>Windows 8 Ready</li> <li>Supports Solid capacitor</li> <li>BIO-FLASHER</li> <li>Supports Charger Booster</li> </ul>

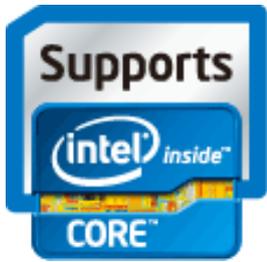
## H61MGV OVERVIEW

### CPU-Chipset



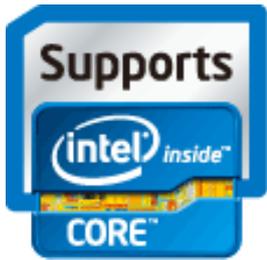
### Intel H61 chipset

The Intel® H61 Express Chipset is a single-chipset design to support the new 1155 socket Intel® 3rd/2nd Generation Core™ i7 / Core™ i5 / Core™ i3 / Pentium® / Celeron® processors. It provides improved performance by utilizing serial point-to-point links, which allows increased bandwidth and stability.



## 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+



## HD Audio

Provides high quality sound with minimal loss of audio fidelity.

### Video+



## DX11

Direct3D 11 enables Direct3D 10 APIs and Direct3D 11 APIs to use one underlying rendering device. And it allows developers to achieve a high speed, fully conformant software rasterizer.

### Speed+



## SmartSpeedLAN

SmartSpeedLAN is a free software application which monitors and manages your PC's network behavior. With user-friendly GUI, it allows you to select and prioritize different types of network traffic, including gaming, media streaming, communications or web surfing. You can also set any specific applications, choosing to prioritize or block accordingly. SmartSpeedLAN can feature automatic management options that use adaptive networking intelligence to ensure that you are getting the best online experience possible.



## 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.



## 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+**



## Moistureproof of PCB

The popularity of PC usage and working environment is getting deteriorating and moist (rural, coastal, etc.). The PCB will be oxidizing easily by damp or absorbed moisture, and ionic migration or CAF (Conductive Anodic Filament) will be generated. Moisture-proof PCB meets high density and high reliability requirements for moisture proof.



## 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.

## Protection+



## ESD Protection

ESD (Electrostatic Discharge) is the major factor to destroy the PC by electrical overstress (EOS) condition. ESD occurred by PC users when touch any devices connect to a PC, which may result in damage to the motherboard or parts. ESD protection is designed to protect the motherboard and equipment from damage by EOS.



## BIOS Virus Protection

When enabled, the BIOS will protect the boot sector and partition table by halting the system and flashing a warning message whether there's an attempt to write to these areas.



## OC / OV / OH Protection

OC / OV / OH Protection design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect your system.



## 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+



## Header Zone

Users can easily assemble their own computer, a simple-swap data discs and other accessories.



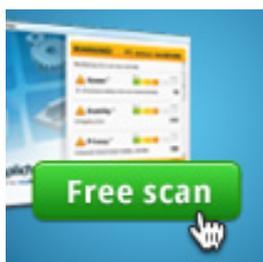
## BIO-Remote 2

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.



## BIOS-Flasher

BIOS-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.



## BIOS-ReLife

BIOS-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 Utility

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.

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