



P8H61-V  
REV 3.0 - New H61 B3 Revision  
Get better graphics performance with iGPU Boost on the H61 platform

- GPU Boost : Instant iGPU Level Up!
- Protect 3.0 - Protect the Earth & the system & you
- AI suite II: One stop Access to Innovative ASUS Features
- EFI BIOS:Flexible & Easy BIOS Interface

[Learn more about the new B3 revision and previous version](#)



**LGA1155 socket for Intel® Second Generation Core™ i7/ Core™ i5/ Core™ i3 Processors**

This motherboard supports the Intel® second generation Core™ i7 / Core™ i5 / Core™ i3 processors in LGA1155 package with memory and PCI Express controllers integrated to support 2-channel DDR3 memory and 16 PCI Express 2.0 lanes. This provides great graphics performance. Intel® second generation Core™ i7 / Core™ i5 / Core™ i3 processors are among the most powerful and energy efficient CPUs in the world.



**Intel® H61(B3) Express Chipset**

The Intel® H61(B3) Express Chipset is the latest single-chipset design to support the new 1155 socket Intel® Core™ i7 / Core™ i5 / Core™ i3 second generation processors. It uses serial point-to-point links, which allows increased bandwidth and stability, and provides an improved performance.



**EPU**

**System Level Energy Saving**

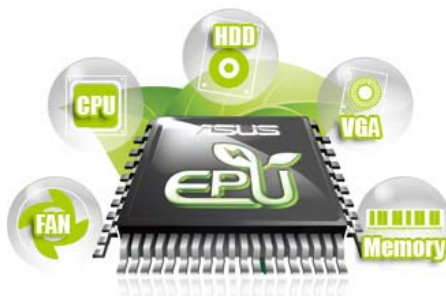
The ASUS EPU (Energy Processing Unit) provides total system power management by detecting current PC loadings and intelligently moderating power usage for critical PC components in real-time—helping save power and money!



**AI Suite II**

**One stop Access to Innovative ASUS Features**

With its fast user-friendly interface, ASUS AI Suite II consolidates all the exclusive ASUS features into one simple to use software package. It allows you to supervise overclocking, energy management, fan speed control, voltage and sensor readings. This all-in-one software offers diverse and ease to use functions, with no need to switch back and forth between different utilities.



**ASUS UEFI BIOS (EZ Mode)**

Exclusive to ASUS motherboards, its UEFI (Unified Extensible Firmware Interface) is the first ever mouse-controlled graphical BIOS interface designed with dual selectable modes. It delivers a user-friendly interface that goes beyond traditional keyboard-only BIOS controls to enable more flexible and convenient input with quick scrolling. Users can easily navigate the UEFI BIOS with the

**TurboV**

**Easy, Real-Time O.C. Tunings**

Feel the adrenaline rush of real-time OC-now a reality with the ASUS TurboV. This easy OC tool allows you to overclock without exiting or rebooting the OS; and its user-friendly interface makes overclock with just a few clicks away. Moreover, the ASUS OC profiles in TurboV provides the best O.C. settings in

smoothness of their operating system. Quick and simple overclocking and setup sharing is facilitated by the F12 hotkey BIOS snapshot feature. The exclusive EZ Mode displays frequently-accessed setup info, while the Advanced Mode is for experienced performance enthusiasts that demand far more intricate system control, including detailed DRAM information.



different scenarios.



### Supports Hard Drives over 2.2TB

ASUS UEFI BIOS natively supports hard drives larger than 2.2TB in 64-bit, with full storage space utilization helping deliver far more exciting computing than traditional BIOS versions.

### Exclusive ASUS Interface

- EZ Mode - gives easy access to selectable, optimized system modes, clear system info display and drag and drop boot prioritizing
- Advanced Mode - for experienced performance enthusiasts that demand intricate system settings



### GPU Boost

#### Instant iGPU Level Up!

GPU Boost overclocks the integrated GPU in real time for the best graphics performance. User-friendly UI facilitates flexible frequency and voltage adjustments. Its ability to deliver multiple overclocking profiles also provides rapid and stable system-level upgrades.



### Fan Xpert

ASUS Fan Xpert intelligently allows you to adjust the CPU and chassis fan speeds according to different ambient temperatures caused by different climate conditions in different geographic regions and your PC's loading. The built-in variety of useful profiles offer flexible controls of fan speed to achieve a quiet and cool environment.



### Anti-Surge Protection

Protect Your Device Anti-Surge Protection Design detects overvoltage conditions and prevents voltage surges from spreading in real time. It also actively cuts off the overvoltage supply to protect the system.



1. Real-time over voltage detection.
2. Active protection against potential damage to your motherboards and systems.

### 100% All High-quality Conductive Polymer Capacitors

This motherboard uses all high-quality conductive polymer capacitors onboard for durability, improved lifespan, and enhanced thermal capacity.



### ErP ready

The motherboard is European Union's Energy-related Products (ErP) ready, and ErP requires products to meet certain energy efficiency requirements in regards to energy consumptions. This is in line with ASUS vision of creating environment-friendly and energy-efficient products through product design and innovation to reduce carbon footprint of the product and thus mitigate environmental impacts.



## Specifications

CPU	Intel® Socket 1155 Core™ i7/Core™ i5/Core™ i3 Processors Supports Intel® 32 nm CPU Supports Intel® Turbo Boost Technology 2.0 * The Intel® Turbo Boost Technology 2.0 support depends on the CPU types. * Refer to <a href="http://www.asus.com">www.asus.com</a> for CPU support list
Chipset	Intel® H61(B3)
Memory	2 x DIMM, Max. 16GB, DDR3 1333/1066 Hz Non-ECC, Un-buffered Memory Dual Channel Memory Architecture Supports Intel® Extreme Memory Profile (XMP) * The maximum 16GB memory capacity can be supported with 8GB or above DIMMs. ASUS will update the memory

	<p>QVL once the DIMMs are available in the market.</p> <p>* Hyper DIMM support is subject to the physical characteristics of individual CPUs.</p> <p>* Refer to <a href="http://www.asus.com">www.asus.com</a> or user manual for the Memory QVL (Qualified Vendors Lists).</p>
Graphic	<p>Integrated Graphics Processor</p> <p>Multi-VGA output support : HDMI/DVI/RGB ports</p> <ul style="list-style-type: none"> <li>- Supports HDMI with max. resolution 1920 x 1200 @ 60 Hz</li> <li>- Supports DVI with max. resolution 1920 x 1200 @ 60 Hz</li> <li>- Supports RGB with max. resolution 2048 x 1536 @ 75 Hz</li> </ul> <p>Supports DirectX 10.1</p>
Expansion Slots	<p>1 x PCIe 2.0 x16</p> <p>2 x PCIe 2.0 x1</p> <p>3 x PCI</p>
Storage	<p><b>Intel® H61(B3) chipset :</b></p> <p>4 x SATA 3Gb/s port(s), blue</p>
LAN	<p>Realtek® 8111E , 1 x Gigabit LAN Controller</p>
Audio	<p>Realtek® ALC 887 8-Channel High Definition Audio CODEC</p> <ul style="list-style-type: none"> <li>- Supports : Jack-detection, Front Panel Jack-retasking</li> </ul> <p><b>Audio Feature :</b></p> <ul style="list-style-type: none"> <li>- Optical S/PDIF out port(s) at back panel</li> </ul>
USB Ports	<p><b>Intel® H61(B3) chipset :</b></p> <p>10 x USB 2.0 port(s) (4 at back panel, black, 6 at mid-board)</p>
Overclocking Features	<p><b>Overclocking Protection :</b></p> <ul style="list-style-type: none"> <li>- ASUS C.P.R.(CPU Parameter Recall)</li> </ul>
Special Features	<p><b>ASUS EPU :</b></p> <ul style="list-style-type: none"> <li>- EPU</li> </ul> <p><b>ASUS Protect 3.0 Technology :</b></p> <ul style="list-style-type: none"> <li>- Anti-Surge Protection</li> <li>- Low EMI Solution</li> <li>- ESD</li> </ul> <p><b>TurboV</b></p> <p><b>GPU Boost</b></p> <p><b>ASUS Exclusive Features :</b></p> <ul style="list-style-type: none"> <li>- AI Suite II</li> <li>- AI Charger</li> <li>- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface</li> </ul> <p><b>ASUS Quiet Thermal Solution :</b></p> <ul style="list-style-type: none"> <li>- ASUS Fan Xpert</li> </ul> <p><b>ASUS EZ DIY :</b></p> <ul style="list-style-type: none"> <li>- ASUS CrashFree BIOS 3</li> <li>- ASUS EZ Flash 2</li> <li>- ASUS MyLogo 2</li> </ul> <p><b>100% All High-quality Conductive Polymer Capacitors</b></p>
Back I/O Ports	<p>1 x PS/2 keyboard (purple)</p> <p>1 x PS/2 mouse (green)</p> <p>1 x DVI</p> <p>1 x D-Sub</p> <p>1 x HDMI</p> <p>1 x LAN (RJ45) port(s)</p> <p>4 x USB 2.0</p> <p>1 x Optical S/PDIF out</p> <p>3 x Audio jack(s)</p>
Internal I/O Ports	<p>3 x USB 2.0 connector(s) support(s) additional 6 USB 2.0 port(s)</p> <p>1 x COM port(s) connector(s)</p> <p>4 x SATA 3Gb/s connector(s)</p> <p>1 x CPU Fan connector(s)</p> <p>1 x Chassis Fan connector(s)</p> <p>1 x S/PDIF out header(s)</p> <p>1 x 24-pin EATX Power connector(s)</p> <p>1 x 4-pin ATX 12V Power connector(s)</p> <p>1 x parallel port connector(s)</p> <p>1 x Front panel audio connector(s) (AAFP)</p> <p>1 x System panel(s)</p> <p>1 x GPU Boost switch(es)</p>
Accessories	<p>User's manual</p> <p>I/O Shield</p> <p>2 x SATA 3Gb/s cable(s)</p>
BIOS	<p>32 Mb Flash ROM, EFI AMI BIOS, PnP, DMI2.0, WfM2.0, ACPI v2.0a, SM BIOS v2.6, Multi-language BIOS</p>
Support Disc	<p>Drivers</p> <p>ASUS Utilities</p> <p>ASUS Update</p> <p>Anti-virus software (OEM version)</p>

Form Factor

ATX Form Factor  
12 inch x 8 inch ( 30.5 cm x 20.3 cm )

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