

# H61M-HGS

Intel® H61 Chipset

**ASRock**  
www.asrock.com



## Product Brief

- 100% All Solid Capacitor design
- Supports Intel® K-Series CPU
- Supports Dual Channel DDR3 1333
- PCIE Gigabit LAN
- Supports Intel® HD Graphics with Built-in Visuals
- Dual VGA Output Options : D-Sub and HDMI
- Combo Cooler Option (C.C.O.)
- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
- Supports ASRock XFast USB, XFast LAN Technologies
- Supports Graphical UEFI, AXTU, APP Charger, SmartView
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite

## Detail Specification

<b>Platform</b>	- Micro ATX Form Factor: 8.9-in x 6.8-in, 22.6 cm x 17.3 cm - All Solid Capacitor design
<b>CPU</b>	- Supports 2nd Generation Intel® Core™ i7 / i5 / i3 in LGA1155 Package - Supports Intel® Turbo Boost 2.0 Technology - Supports Intel® K-Series unlocked CPU - Supports Hyper-Threading Technology
<b>Chipset</b>	- Intel® H61
<b>Memory</b>	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB
<b>Expansion Slot</b>	- 1 x PCI Express 2.0 x16 slot (blue @ x16 mode) - 1 x PCI Express 2.0 x1 slot
<b>Graphics</b>	- Supports Intel® HD Graphics Built-in Visuals : Intel® Quick Sync Video, Intel® InTru™ 3D, Intel® Clear Video HD Technology, Intel® HD Graphics 2000/3000, Intel® Advanced Vector Extensions (AVX) - Pixel Shader 4.1, DirectX 11 with Intel® Ivy Bridge CPU, DirectX 10.1 with Intel® Sandy Bridge CPU - Max. shared memory 1759MB - Dual VGA Output: support HDMI and D-Sub ports by independent display controllers - Supports HDMI 1.4a Technology with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 2048x1536 @ 75Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports HDCP function with HDMI port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with HDMI port
<b>Audio</b>	- 5.1 CH HD Audio (VIA® VT1705 Audio Codec)
<b>LAN</b>	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111E - Supports Wake-On-LAN - Supports PXE
<b>Rear Panel I/O</b>	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x D-Sub Port - 1 x HDMI Port - 6 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
<b>Connector</b>	- 4 x SATA2 3.0 Gb/s connectors, support NCQ, AHCI and Hot Plug functions - 1 x Print port header - 1 x COM port header - CPU/Chassis/Power FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
<b>BIOS Feature</b>	- 32Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - iGPU, DRAM, PCH, CPU PLL, VTT, VCCSA Voltage Multi-adjustment
<b>Support CD</b>	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial; ASRock MAGIX Multimedia Suite - OEM)
<b>Unique Feature</b>	- ASRock Extreme Tuning Utility (AXTU) - ASRock Instant Boot - ASRock Instant Flash - ASRock APP Charger - ASRock SmartView - ASRock XFast USB - ASRock XFast LAN - Hybrid Booster: - ASRock U-COP - Boot Failure Guard (B.F.G.) - Combo Cooler Option (C.C.O.) - Good Night LED
<b>Hardware Monitor</b>	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU/Chassis Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
<b>OS</b>	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
<b>Certifications</b>	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
<b>Accessories</b>	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (Optional)

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## XFast LAN Technology

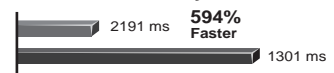


### 1 LAN Application Prioritization



You can configure your application priority ideally and/or add new programs.

### 2 Lower Latency In Game



Time latency in World of Warcraft: Cataclysm  
■ With XFast LAN ■ Without XFast LAN

After setting online game priority higher in XFast LAN, it can lower the latency in game.

### 3 Traffic Shaping



You can watch Youtube HD video and download files simultaneously.

### 4 Real-Time Analysis Of Your Data

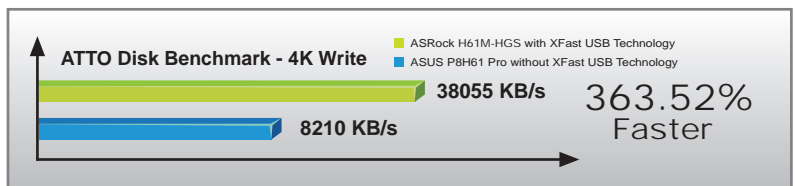
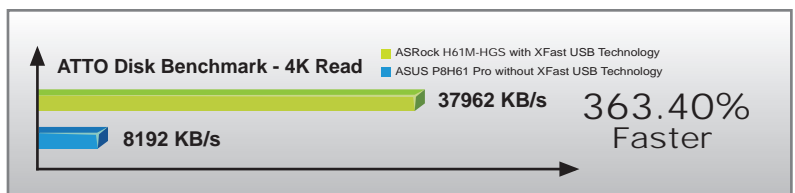


With the status window, you can easily recognize which data streams you are currently transferring.

## XFast USB Technology



## USB 2.0 Benchmark



## Cyberlink MediaEspresso 6.5 Trial

The fastest video media conversation software



## MAGIX Multimedia Suite

The ultimate solutions to enhance your media experience. From music management, music creation, video editing to photo management. Simply do more with your media than you ever thought possible.



## Graphical UEFI

- \* Graphical Visual Experience
- \* Mouse Enabling
- \* Supports 3TB bootable HDD



## AXTU

ASRock Extreme Tuning Utility (AXTU) is an all-in-one software to fine-tune different features in an userfriendly interface, which includes Hardware Monitor, Fan Control, Overclocking, OC DNA and IES.



## SmartView

The smart start page for IE that combines your most visited web sites, history, Facebook friends and real-time newsfeed.



## App Charger

The best Apple charge companion



## Intel® HD Graphics Built-in Visuals



Intel® Quick Sync Video Intel® InTru™ 3D

Intel® Clear Video HD Technology

Intel® HD Graphics 2000/3000

Intel® Advanced Vector Extensions (AVX)