

# A75M-HVS

AMD A75 Hudson D3 Chipset

**ASRock**  
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## Product Brief

- Support for Socket FM1 100W processors
- AMD A75 Hudson D3 Chipset Supports Native 6 x SATA3, 4 x USB 3.0 Ports
- Supports Dual Channel DDR3 2400+(OC)
- Supports AMD Dual Graphics
- Dual VGA Output : D-Sub and HDMI
- Supports Blu-ray Stereoscopic 3D with HDMI 1.4a
- 5.1 CH HD Audio (VIA® VT1705 Audio Codec), Supports THX TruStudio™
- Supports XFast USB Technology, Graphical UEFI BIOS
- Supports APP Charger, SmartView
- Free Bundle : CyberLink MediaEspresso 6.5 Trial

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

## Detail Specification

<b>Platform</b>	- Micro ATX Form Factor: 8.9-in x 8.5-in, 22.6 cm x 21.6 cm - Solid Capacitor for CPU power
<b>CPU</b>	- Support for Socket FM1 100W processors - Supports AMD's Cool 'n' Quiet Technology - UMI-Link GEN2
<b>Chipset</b>	- AMD A75 FCH (Hudson-D3)
<b>Memory</b>	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 2400+(OC)/1600(OC)/1333/1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB
<b>Expansion Slot</b>	- 1 x PCI Express 2.0 x16 slot - 1 x PCI Express 2.0 x1 slot - 1 x PCI slot - Supports AMD Dual Graphics
<b>Graphics</b>	- AMD Radeon HD 65XX/64XX graphics in Llano APU - DirectX 11, Pixel Shader 5.0 - Max. shared memory 512MB - 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 1920x1600 @ 60Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports Blu-ray Stereoscopic 3D with HDMI 1.4a - Supports AMD Steady Video™. New video post processing capability for automatic jitter reduction on home/online video - 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) - Supports THX TruStudio™
<b>LAN</b>	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111E - Supports Wake-On-LAN - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az - 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 VGA/D-Sub Port - 1 x HDMI Port - 2 x Ready-to-Use USB 2.0 Ports - 4 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
<b>SATA3</b>	- 6 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1 and RAID 10), NCQ, AHCI and "Hot Plug" functions
<b>USB 3.0</b>	- 4 x USB 3.0 ports, support USB 1.0/2.0/3.0 up to 5Gb/s
<b>Connector</b>	- 6 x SATA3 6.0 Gb/s connectors - 1 x IR header - 1 x CIR header - 1 x Print port header - 1 x COM port header - CPU/Chassis/Power Fan connector - 24 pin ATX power connector - 8 pin 12V power connector - Front panel audio connector - 3 x USB 2.0 headers (support 6 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 - DRAM, VDDP, SB Voltage Multi-adjustment
<b>Support CD</b>	- Drivers, Utilities, AntiVirus Software (Trial Version), AMD Live! Explorer, CyberLink MediaEspresso 6.5 Trial, ASRock Software Suite (CyberLink DVD Suite - OEM and Trial; Creative Sound Blaster X-Fi MB - Trial)
<b>Unique Feature</b>	- ASRock Extreme Tuning Utility (AXTU) - ASRock Instant Boot - ASRock Instant Flash - ASRock APP Charger - ASRock SmartView - ASRock XFast USB - Hybrid Booster: - ASRock U-COP
<b>Hardware Monitor</b>	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan - CPU/Chassis Fan Multi-Speed Control - Voltage Monitoring: +12V, +5V, +3.3V, 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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## The Most Powerful APU Graphics Ever

Configuration		
Model	ASRock A75M-HVS	Other A75 Motherboard
Chipset	Hudson D3	Hudson D3
CPU	AMD A8-3850 2.9 GHz	AMD A8-3850 2.9 GHz
RAM	Kingston DDRIII 2250 2GB*2	Kingston DDRIII 2250 2GB*2
VGA Card	ATI HD 6600	ATI HD 6600
HDD	Western Digital WD6402AAEX	Western Digital WD6402AAEX

### Onboard APU Graphics Performance



**50.82%**  
Surpassed Performance

3DMark Vantage (Performance)

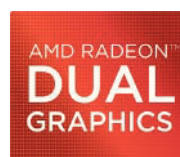
ASRock A75M-HVS



Other A75 Motherboard



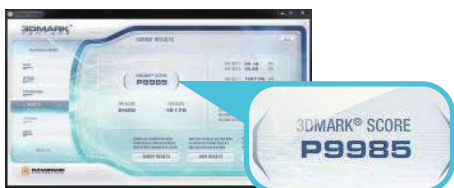
### Dual Graphics Performance



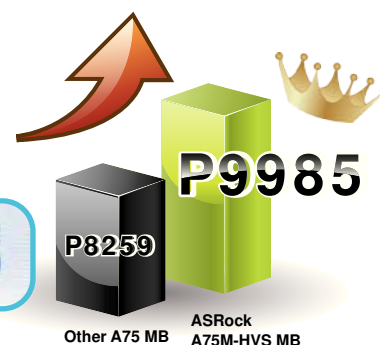
**20.90%**  
Surpassed Performance

3DMark Vantage (Performance)

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Other A75 Motherboard



## DDR3 2400+ Support

The World's Fastest A75 Motherboard With DDR3 2400+ Support



ASRock A75M-HVS MB

**DDR3 2400+**

Other A75 MB  
DDR3 1866



# A75M-HVS

AMD A75 Hudson D3 Chipset

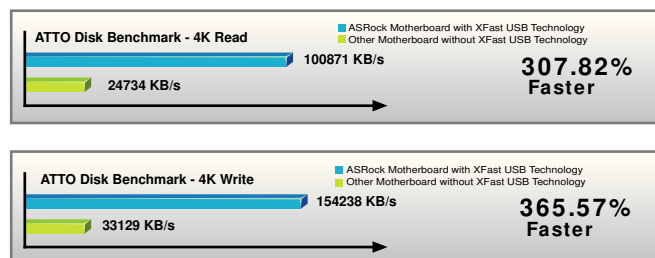
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## XFast USB Technology

The world's fastest USB transfer speed.



## USB 3.0 Benchmark



## Native USB 3.0 and SATA3 Support

The AMD A75 Hudson D3 chipset provides native support of USB 3.0 and SATA3. ASRock A75 Motherboard Series provide rich storage options including 4 USB 3.0 and 5 SATA3 ports.



## AMD Steady Video

New Video Post Processing Capability : automatic jitter reduction on home/online video.



Before

After

## Cyberlink MediaEspresso 6.5 Trial

The fastest video media conversion software



## THX TruStudio

Delivering the fullest audio experience for games, music and movies.



## AXTU

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



## Graphical UEFI

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



## USB 3.0

4 x USB 3.0 5Gb/s



## SATA3

6 x SATA3 6Gb/s



## App Charger

The best Apple charge companion

