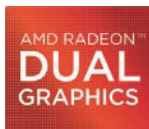
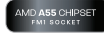


# A55M-VS

AMD A55 FCH (Hudson-D2)

**ASRock**  
www.asrock.com



## Product Brief

- Solid Capacitor for CPU Power
- Support for Socket FM1 100W processors
- Supports Dual Channel DDR3 2400+(OC)
- Supports AMD Dual Graphics
- 5.1 CH HD Audio (Realtek ALC662 Audio Codec), Supports THX TruStudio™
- Supports 10/100 Ethernet
- Supports XFast RAM, XFast LAN, XFast USB Technology
- Supports AMD Steady Video™ : New video post processing capability for automatic jutter reduction on home/online video
- Free Bundle : CyberLink MediaEspresso 6.5 Trial ; ASRock MAGIX Multimedia Suite

## Detail Specification

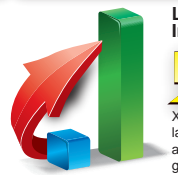
<b>Platform</b>	- Micro ATX Form Factor: 8.8-in x 6.8-in, 22.4 cm x 17.3 cm - Solid Capacitor for CPU power
<b>CPU</b>	- Support for Socket FM1 100W processors - Supports AMD's Cool 'n' Quiet Technology - UMI-Link GEN2
<b>Chipset</b>	- AMD A55 FCH (Hudson-D2)
<b>Memory</b>	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 2400+(OC)/1866/1600/1333/1066/800 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 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 - Supports D-Sub with max. resolution up to 1920x1600 @ 60Hz - Supports AMD Steady Video™: New video post processing capability for automatic jutter reduction on home/online video
<b>Audio</b>	- 5.1 CH HD Audio (Realtek ALC662 Audio Codec) - Supports THX TruStudio™
<b>LAN</b>	- Realtek PCIe x1 LAN RTL8105E - Speed: 10/100 Ethernet - 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 VGA Port - 4 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 RAID (RAID 0, RAID 1 and RAID 10), NCQ, AHCI and "Hot Plug" functions - 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 - 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 - CPU, 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 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 - ASRock XFast RAM - Hybrid Booster: - ASRock U-COP
<b>Hardware Monitor</b>	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU 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)



**5X Faster for Photoshop Execution**

XFast RAM will create a virtual disk from the system memory to boost the performance. For Photoshop, it can even perform 5X faster than before.

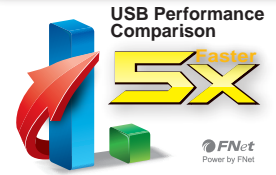
\* The performance boost percentage may vary with a different configuration.



**Lower Latency In Game**

**5X Faster**  
XFast LAN can lower latency in the game after setting online game priority higher.

Time latency in World of Warcraft: Cataclysm  
\*Lower is better  
■ ASRock Motherboard with XFast LAN  
■ Other Motherboard without XFast LAN



**USB Performance Comparison**

**5X Faster**  
ATTO Disk Benchmark 4K Read  
■ ASRock Motherboard with XFast USB  
■ Other Motherboard without XFast USB

## The Most Powerful APU Graphics Ever

Configuration		
Model	ASRock A55M-VS	Other A55 Motherboard
Chipset	Hudson D2	Hudson D2
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)

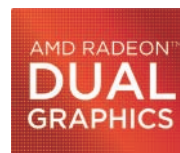
##### ASRock A55M-VS



##### Other A55 Motherboard



### Dual Graphics Performance



**20.90%**  
Surpassed Performance

#### 3DMark Vantage (Performance)

##### ASRock A55M-VS



##### Other A55 Motherboard



## DDR3 2400+ Support

The World's Fastest A55 Motherboard With DDR3 2400+ Support



ASRock A55M-VS MB

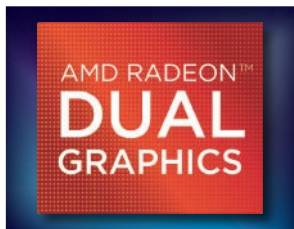
**DDR3 2400+**

Other A55 MB  
DDR3 1866



### AMD Dual Graphics

The AMD Dual Graphics technology combines APU and GPU computing power to optimize user's visual experience.



### AMD Steady Video™ THX TruStudio

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



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



### Cyberlink MediaEspresso 6.5 Trial

The fastest video media conversion 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.



### 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

