A55M-DGS

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 PCIE Gigabit LAN
- 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

Platform	- Micro ATX Form Factor: 8.8-in x 6.8-in, 22.4 cm x 17.3 cm - Solid Capacitor for CPU power
CPU	- Support for Socket FM1 100W processors - Supports AMD's Cool 'n' Quiet Technology - UMI-Link GEN2
Chipset	- AMD A55 FCH (Hudson-D2)
Memory	- 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
Expansion Slot	- 1 x PCI Express 2.0 x16 slot - 1 x PCI slot - Supports AMD Dual Graphics
Graphics	- AMD Radeon HD 65XX/64XX graphics in Llano APU - DirectX 11, Pixel Shader 5.0 - Max. shared memory 512MB - Dual VGA Output: support DVI-D and D-Sub ports by independent display controllers - Supports DVI with max. resolution up to 1920x1200 @ 60Hz - 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 - Supports HDCP function with DVI port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI port
Audio	- 5.1 CH HD Audio (Realtek ALC662 Audio Codec) - Supports THX TruStudio™
LAN	- 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
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x D-Sub Port - 1 x DVI-D 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
Connector	- 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 - 1 x CPU Fan connector (4-pin) - 1 x Chassis Fan connector (4-pin) - 1 x Power Fan connector (3-pin) - 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)
BIOS Feature	- 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
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), AMD Live! Explorer, CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite - OEM
Unique Feature	- 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
Hardware Monitor	- 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
OS	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA data cables

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.

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XFast RAM
Fully Optimize Memory Usage

XFast LAN
Faster Internet Access

XFast USB
Boosts up your USB speed

Photoshop
Faster
5X

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.

Lower Latency In Game

Faster 5X

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

Faster 5X

FNet
Power by FNet

ATTO Disk Benchmark 4K Read
ASRock Motherboard with XFast USB
Other Motherboard without XFast USB

● The performance boost percentage may vary with a different configuration.

The Most Powerful APU Graphics Ever

Configuration		
Model	**ASRock A55M-DGS**	**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

P5500+ 3DMARK VANTAGE

50.82%
Surpassed Performance

3DMark Vantage (Performance)

ASRock A55M-DGS

Other A55 Motherboard

Dual Graphics Performance

AMD RADEON™ DUAL GRAPHICS

20.90%
Surpassed Performance

3DMark Vantage (Performance)

ASRock A55M-DGS

Other A55 Motherboard

A55M-DGS

AMD A55 FCH (Hudson-D2)

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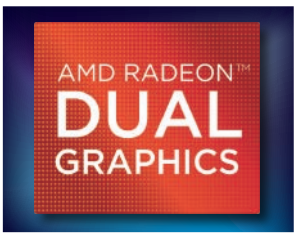
DDR3 2400+ Support

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

AMD Dual Graphics

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



AMD Steady Video™

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

THX TruStudio

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

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.

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