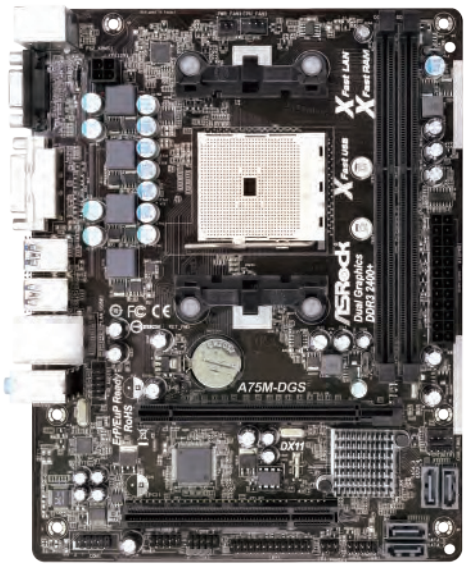
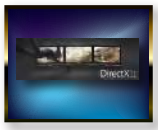
A75M-DGS

AMD A75 FCH (Hudson-D3)

ASRock
www.asrock.com

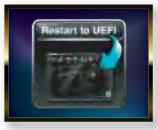




DirectX® 11

AMD Steady Video

Fast Boot



Restart to UEFI

Google Chrome Browser & Toolbar

Product Brief

- Solid Capacitor for CPU power
- Support for Socket FM1 100W processors
- Supports Dual Channel DDR3 2400+(OC)
- Supports AMD Dual Graphics
- Dual-VGA Output : D-Sub, DVI-D
- 5.1 CH HD Audio (Realtek ALC662 Audio Codec)
- Supports ASRock XFast 555, Fast Boot, Restart to UEFI, APP Charger
- Supports AMD Steady Video
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, Google Chrome Browser and Toolbar

Detail Specification

Platform	- Micro ATX Form Factor - Solid Capacitor for CPU power
CPU	- Support for Socket FM1 100W processors - Supports AMD's Cool 'n' Quiet Technology - UMI-Link GEN2
Chipset	- AMD A75 FCH (Hudson-D3)
Memory	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 2400+(OC)/1866/1600/1333/1066 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 Dual-link DVI with max. resolution up to 2560x1600 @ 75Hz - 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)
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 - 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
SATA3	- 4 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1 and RAID 10), NCQ, AHCI and "Hot Plug" functions
USB 3.0	- 4 x USB 3.0 ports, support USB 1.1/2.0/3.0 up to 5Gb/s
Connector	- 4 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 - 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), CyberLink MediaEspresso 6.5 Trial, Google Chrome Browser and Toolbar
Unique Feature	- ASRock Extreme Tuning Utility (AXTU) - ASRock Instant Boot - ASRock Instant Flash - ASRock APP Charger - ASRock XFast USB - ASRock XFast LAN - ASRock XFast RAM - ASRock Fast Boot - ASRock Restart to UEFI - 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® 8 / 8 64-bit / 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

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The Most Powerful APU Graphics Ever

Configuration		
Model	A75M-DGS	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

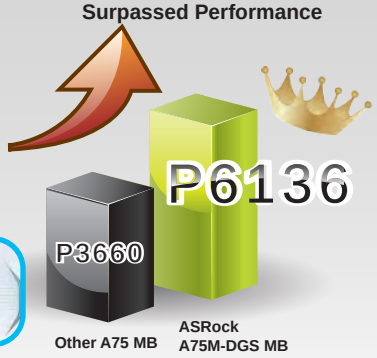
P6000+ 3DMARK VANTAGE

67.65%
Surpassed Performance

3DMark Vantage (Performance)

ASRock A75M-DGS

Other A75 Motherboard



DDR3 2400+ Support

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

DDR3 2400+

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.

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Windows 8 Support

Fast Boot

With ASRock's exclusive Fast Boot technology, it takes less than 1.5 seconds* to logon to Windows 8 from a cold boot. No more waiting! The speedy boot will completely change your user experience and behavior.

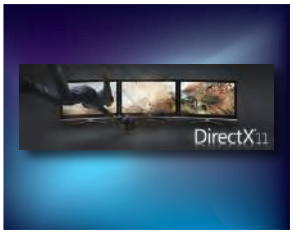
*The boot time may vary with a different configuration.

Restart to UEFI

ASRock "Restart to UEFI" technology is designed for those requiring frequent UEFI access. It allows users to easily enter the UEFI SETUP automatically when turning on the PC next time.

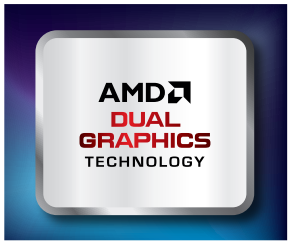
DirectX® 11

DirectX® 11 is the very latest in high-speed, high-fidelity gaming and computing. It can enable not just more visually stunning games, but significant performance improvements in some of your favorite websites and everyday applications.



AMD Dual Graphics

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



AMD Steady Video

AMD Steady Video is a technology designed to eliminate or reduce shakes and jitters during the playback of home/online video.

Google Chrome Browser & Toolbar

Chrome is a fast, simple, and secure web browser, built for the modern web. Google Toolbar is designed to help you find what you're looking for quickly and discover new things along the way.

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