A75iCafe

AMD A75 Hudson D3 Chipset

ASRock
www.asrock.com

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 Quad CrossFireX™, CrossFireX™ and Dual Graphics
- Dual-VGA Output : D-Sub, DVI-D
- Supports AMD Steady Video™: New video post processing capability for automatic jutter reduction on home/online video
- 5.1 CH HD Audio (Realtek ALC662 Audio Codec)
- Supports ASRock XFast 555, APP Charger, SmartView
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite

Detail Specification

Platform	- ATX Form Factor: 12.0-in x 7.2-in, 30.5 cm x 18.3 cm - All Solid Capacitor design
CPU	- Support for Socket FM1 100W processors - 4 + 1 Power Phase Design - 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)/2133(OC)/1866/1600/1333/1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB
Expansion Slot	- 2 x PCI Express 2.0 x16 slots (PCIE2 @ x16 mode; PCIE5 @ x4 mode) - 3 x PCI Express 2.0 x1 slots - 2 x PCI slots - Supports AMD Quad CrossFireX™, CrossFireX™ and 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 D-Sub and DVI-D 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 - 4 x Ready-to-Use USB 2.0 Ports - 2 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	- 6 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1 and RAID 10), NCQ, AHCI and "Hot Plug" functions
USB3	- 2 x Rear USB 3.0 ports, support USB 1.0/2.0/3.0 up to 5Gb/s - 1 x Front USB 3.0 header (supports 2 USB 3.0 ports), supports USB 1.0/2.0/3.0 up to 5Gb/s
Connector	- 6 x SATA3 6.0 Gb/s connectors - 1 x IR header - 1 x COM port header - 1 x HDMI_SPDIF header - 1 x Power LED header - 1 x CPU Fan connector (4-pin) - 2 x Chassis Fan connectors (2 x 4-pin) - 24 pin ATX power connector - 8 pin 12V power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports) - 1 x USB 3.0 header (supports 2 USB 3.0 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 - DRAM, VDDP, VDDR, 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 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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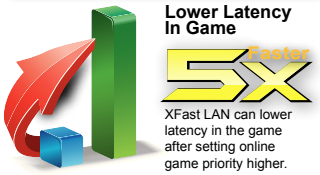
XFast RAM — Fully Optimize Memory Usage

XFast LAN — Faster Internet Access

XFast USB — Boosts up your USB speed

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

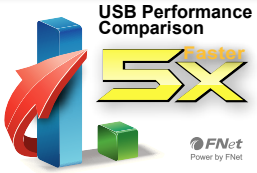
XFast LAN can lower latency in the game after setting online game priority higher.

Time latency in World of Warcraft: Cataclysm

*Lower is better

ASRock Motherboard with XFast LAN

Other Motherboard without XFast LAN



USB Performance Comparison

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 A75iCafe**	**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**

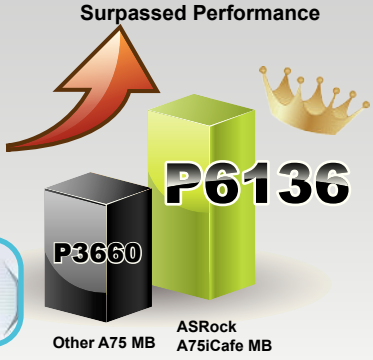
Onboard APU Graphics Performance

67.65%
Surpassed Performance

3DMark Vantage (Performance)

ASRock A75iCafe

Other A75 Motherboard



DDR3 2400+ Support

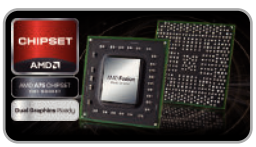
The World's Fastest A75 Motherboard With DDR3 2400+ Support

AMD Dual Graphics

AMD RADEON DUAL GRAPHICS

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

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