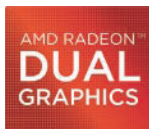
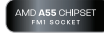


# A55DEL

AMD A55 FCH (Hudson-D2)

**ASRock**  
www.asrock.com



## Detail Specification

<b>Platform</b>	- ATX Form Factor: 12.0-in x 7.2-in, 30.5 cm x 18.3 cm - Solid Capacitor for CPU power
<b>CPU</b>	- Support for Socket FM1 100W processors - 4 + 1 Power Phase Design - 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>	- 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
<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 D-Sub and DVI-D ports by independent display controllers - Supports DVI with max. resolution up to 1920x1200 @ 75Hz - Supports D-Sub with max. resolution up to 1920x1600 @ 60Hz - Supports AMD Steady Video™: New video post processing capability for automatic jitter reduction on home/online video - Supports HDCP function with DVI port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI port
<b>Audio</b>	- 5.1 CH HD Audio (Realtek ALC662 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 D-Sub Port - 1 x DVI-D Port - 6 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>	- 6 x SATA3 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 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)
<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 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)

## Product Brief

- Solid Capacitor for CPU power
- Support for Socket FM1 100W processors
- Supports Dual Channel DDR3 2400+(OC)
- Supports AMD Quad CrossFireX™, CrossFireX™ and Dual Graphics
- 5.1 CH HD Audio (Realtek ALC662 Audio Codec), Supports THX TruStudio™
- Supports PCIE Gigabit LAN
- Dual VGA Output: D-Sub, DVI-D
- Supports XFast RAM, XFast LAN, XFast USB Technology
- Supports AMD Steady Video™ : New video post processing capability for automatic jitter reduction on home/online video
- Free Bundle : CyberLink MediaEspresso 6.5 Trial ; ASRock MAGIX Multimedia Suite

# A55DEL

AMD A55 FCH (Hudson-D2)

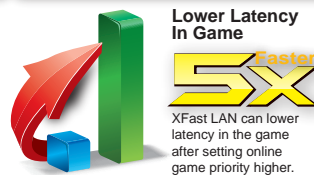
**ASRock**  
www.asrock.com



**5X Faster for Photoshop Execution**

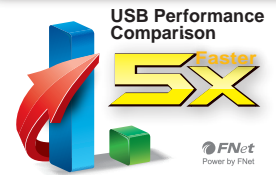
XFast RAM will create a virtual disk from the system memory to boost the performance. For Photoshop, it can even perform 5X faster than before.

\* 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.



**USB Performance Comparison**

**5X Faster**

## The Most Powerful APU Graphics Ever

Configuration		
Model	ASRock A55DEL	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)

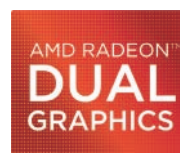
##### ASRock A55DEL



##### Other A55 Motherboard



### Dual Graphics Performance



**20.90%**  
Surpassed Performance

#### 3DMark Vantage (Performance)

##### ASRock A55DEL



##### Other A55 Motherboard

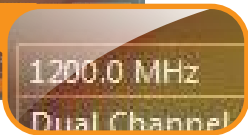


## DDR3 2400+ Support

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



	Read	Write	Copy	Latency
Memory	11471 MB/s	11386 MB/s	13350 MB/s	42.2 ns
L1 Cache	30674 MB/s	32417 MB/s	19457 MB/s	0.9 ns
L2 Cache	26634 MB/s	23177 MB/s	23726 MB/s	3.1 ns
L3 Cache				



ASRock A55DEL MB

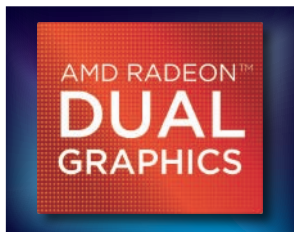
**DDR3 2400+**

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

