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### ODROID-HC2 — ameriDroid

Engineered metal frame body is designed to store a 2.5 inch HDD/SSD with great heat dissipation. Key features \* Samsung Exynos5422 Cortex-A15 2Ghz and Cortex-A7 Octa core CPUs \* 2Gbyte LPDDR3 RAM PoP stacked \* SATA-3 port for 2.5inch HDD/SSD storage up to 15mm thickness \* Gigabit Ethernet port \* USB 2.0 Host

**Exynos5422 Cortex A15 2 0ghz Quad Core**

### And Cortex A7 ...

### ODROID-XU3 (Exynos5422) - Embedded boards

### \$79 octacore hacker SBC runs Ubuntu and Android

Samsung Exynos 5 Octa 5422 is the big.LITTLE octa-core mobile processor built on 28nm HKMG process with HMP Solution. Supports up to WQXGA display. Samsung Exynos5422 Cortex™-A15

2.0Ghz quad core and Cortex™-A7 quad core CPUs Mali-T628 MP6 (OpenGL ES 3.0/2.0/1.1 and OpenCL 1.1 Full profile) 2G-byte LPDDR3 RAM at 933MHz (14.9GB/s memory...

### ODROID-HC2 : Home Cloud Two - ODROID

Samsung Exynos5422 ARM® Cortex™-A15 Quad 2.0GHz/Cortex™-A7 Quad 1.4GHz DRAM 2Gbyte LPDDR3 RAM PoP (750Mhz, 12GB/s memory bandwidth, 2x32bit bus) Board Size 197 x 115 x 42 mm Storage UH-

S-1 compatible micro-SD slot up to 128GB/SDXC Ethernet Ports 10/100/1000Mbps Ethernet with RJ-45 Jack ( Auto-MDIX support) x 1 GPU

Samsung Exynos5422 ARM® Cortex™ -A15 Quad 2.0GHz/Cortex™ -A7 Quad 1.4GHz: DRAM Memory: 2Gbyte LPDDR3 RAM PoP (750Mhz, 12GB/s memory bandwidth, 2x32bit bus) GPU: Mali™ -T628 MP6 OpenGL ES 3.1 / 3.0 / 2.0 / 1.1 and OpenCL 1.2 Full profile: Micro-SD Slot: UHS-1 compatible micro-SD slot upto 128GB/SDXC: USB2.0 Host

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**ODROID-HC1 : Home Cloud One - ODROID**  
Minicomputer Odroid in version C0 with a powerful processor Samsung Exynos5422 Octa-Core, with cores Cortex-A15 2.0 GHz + Cortex-A7, 1.4 GHz quad. Board has 2 GB of RAM LPDDR3, built-in Ethernet Giga-

bit port, HDMI 2.0 port and three USB slots including 2x USB 3.0, 30 GPIO, connectors for memory card microSD, and the IR receiver.

Samsung Exynos5422 ARM® Cortex™ -A15 Quad 2.0GHz/Cortex™ -A7 Quad 1.4GHz: Memory: 2Gbyte LPDDR3 RAM PoP (750Mhz, 12GB/s memory bandwidth, 2x32bit bus) 3D Accelerator: Mali™ -T628 MP6 OpenGL ES 3.1 / 3.0 / 2.0 / 1.1 and OpenCL 1.2 Full profile: Audio: HDMI Digital audio output. Optional USB sound card: USB3.0 Host

My environment is odroid-xu3 that constructed with exynos5422 Cortex-A15 2.0Ghz quad core and Cortex-A7 quad core CPUs and have Ubuntu 18.04, Linux kernel 4.14.141-69. My issue is that I am running AlexNet example from the compute library and setting the cores to the big A15 cores using taskset and threads=4, but the execution time of the ...

The ARM Cortex-A15 MPCore is a 32-bit processor core licensed by ARM Holdings implementing the ARMv7-A architecture. It is a multicore processor with out-of-order superscalar pipeline running at up to 2.5 GHz.

Rather than four A-9 cores, the Exynos 5250 uses two Cortex A15 cores, can reach speeds of 2.0Ghz and is potentially suitable for use in tablets as well as smartphones, as Samsung has stated it ...

### **ODROID-MC1 Solo - ODROID**

ARM Cortex A9 processor cores are ... OF CORES MAX CORE SPEED PROCESS AVAILABILITY Intel Atom Z670 None Atom 1 1.5GHz 45nm Production Nvidia Tegra 2 None ARM A9 2 1.0GHz 45nm ... A9 2 1.2GHz 45nm Production ST-Ericsson A9540 None ARM A9 2 1.85GHz 32nm 2H11 ST-Ericsson A9600 None ARM A15 2 2.5GHz 28nm 2H11 Texas Instruments ...

4x ARM Cortex-A57 @ 2.0GHz + 4x ARM Cortex-A53 @ 1.5GHz (big.LITTLE) ... The Cortex-A57 is the successor to the Cortex-A15. Whereas the A15 was a new architecture, the A57 brings only minor ...

Quad Core ARM Cortex-A15 r3 @ 2.3GHz + Cortex A15 r3 companion core: 4x ARM Cortex-A15 @ 2.1 GHz + 4x ARM Cortex-A7 @ 1.5 GHz big.LITTLE Processing: L1 Icache/Dcache: 32KB/32KB: 32KB/32KB: 32KB/32KB: L2 Cache: 1MB: 2MB + 512KB: 2MB + 512 KB: 2MB + 512 KB: GPU: ARM Mali-T764: PowerVR G6230

(64-cores) Kepler GK20a (192-cores) ARM Mali ...

[Exynos5422 Cortex A15 2 0ghz Quad Core And Cortex A7](#)

[ARM Cortex A15/A17 SoCs Comparison - Nvidia Tegra K1 vs ...](#)

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[Exynos5422 Cortex A15 2 0ghz](#)

[My Cluster One with 32 CPU Cores and 8GB DRAM - ODROID-MC1](#)

Processor — Samsung Exynos5422 Octa SoC: CPUs — 4x ARM Cortex-A15 cores @ 2.0GHz + 4x Cortex-A7 cores @ 1.4GHz GPU — Mali-T628 MP6 (OpenGL ES 3.0 / 2.0 / 1.1 and OpenCL 1.1 full profile) Memory — 2GB LPDDR3 Storage: MicroSD slot eMMC 5.0 socket with optional data card at up to 64GB (Toshiba) or up to 43GB (Sandisk iNAND Extreme)

[Exynos 5 Octa 5422 Processor: Specs, Features | Samsung Exynos](#)

Processor bits are the "Octacore Samsung Exynos5422 (ARM® Cortex™ -A15 Quad 2.0GHz/Cortex™ -A7 Quad 1.4GHz) Memory: 2GB LPDDR3 RAM - 12GB/s memory bandwidth, 2 x 32bit bus, 16GB eMMC 5.0 Flash Storage Ethernet: 10/100/1000 Mbps RJ-45, Auto-MDIX support USB: 2 x USB3.0, supports USB3.0 Hub for extension, 1 x USB2.0 Video: Mali™ -T628 MP6 ...

[ODROID-XU4 Special Price - ODROID](#)

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[ODROID-HC2 : Home Cloud Two](#)

[Snapdragon 810 CPU And GPU Architecture - Tom's Hardware](#)

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[Samsung shows-off new quad-core Exynos chip, which could ...](#)

[Odroid XU4 - Samsung Exynos5422 Octa--Core 2,0GHz ...](#)

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#### **ARM Cortex-A15 - Wikipedia**

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#### \$79 octacore hacker SBC runs Ubuntu and Android

ARM Cortex A9 processor cores are ... OF  
CORES MAX CORE SPEED PROCESS AVAIL-  
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None ARM A9 2 1.0GHz 45nm ... A9 2  
1.2GHz 45nm Production ST-Ericsson  
A9540 None ARM A9 2 1.85GHz 32nm  
2H11 ST-Ericsson A9600 None ARM A15 2  
2.5GHz 28nm 2H11 Texas Instruments ...

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#### ARM Cortex-A15 - Wikipedia

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