

## Exynos5422 Cortex A15 2 0ghz Quad Core And Cortex A7

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### Exynos5422 Cortex A15 2 0ghz

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.

### Exynos 5 Octa 5422 Processor: Specs, Features | Samsung Exynos

The 5422 is a mild update to the 5420, which was found in some international variants of the Galaxy Note 3. The new SoC is still built on a 28nm process at Samsung, but enjoys much higher...

### Samsung's Exynos 5422 & The Ideal big.LITTLE: Exynos 5 ...

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.

### ARM Cortex-A15 - Wikipedia

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 Gigabit 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.

### Odroid XU4 - Samsung Exynos5422 Octa-Core 2,0GHz ...

ARM Cortex A15/A17 SoCs Comparison - Nvidia Tegra K1 vs Samsung Exynos 5422 vs Rockchip RK3288 vs ... (May 2014) - Several Cortex A15 and A17 based processors have hit the market this year, so I've drawn a comparison table with features, interfaces, and interfaces of the most popular ones by Nvidia, Samsung, Rockchip, and Allwinner.

### ARM Cortex A15/A17 SoCs Comparison - Nvidia Tegra K1 vs ...

CPU - 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

### 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

### ODROID-HC1 : Home Cloud One - ODROID

Sawpy TX6 Android tv Box 9.0 4GB RAM DDR3 + 64GB ROM Allwinner H6 up to 1.5 GHz Quad core ARM Cortex-A53 4K&6K 2.4GHz&5GHz WiFi Bluetooth 5.0 USB 3.0 Smart TV Box \$49.99 Get the deal

### ARM Cortex-A53 vs Samsung Exynos 5422: What is the difference?

This big.LITTLE octa-core architecture was announced in October 2011, enabling four low-power Cortex-A7 cores to operate with four high-performance Cortex-A15 cores.

### Octa-core vs Quad-core: Does it make a ... - Trusted Reviews

In very simple terms... A57 > A53, I imagine, not even reading up on this, just assuming Octa-core == 8 processor cores Quad-core == 4 processor cores Thus, the performance would be ranked as such, #1 being the most powerful : 1. Octa-core 2 GHz A53...

### What is the difference between the Octa-core 2.0 GHz ...

Engineered metal frame body is designed to store a 2.5 inch HDD/SSD or 3.5inch HDD 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 3.5inch or 2.5inch HDD/SSD storage up to 27mm thickness \* Gigabit Ethernet port \* USB 2.0 Host

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

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

### ODROID-XU4 Special Price - ODROID

Samsung Exynos5422: Amlogic S922X Processor (12nm) CPU: Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz: ARM Cortex-A15 Quad 2.0GHz/Cortex-A7 Quad 1.4GHz: Quad-core Cortex-A73(1.8Ghz) and Dual-core Cortex-A53(1.9Ghz) GPU: VideoCore VI 3D up to 500 MHz. Mali-T628 MP6: Mali-G52 GPU with 6 x Execution Engines (846Mhz) RAM: 1,2,4: 2Gbyte LPDDR3

### Raspberry Pi 4 vs Odroid XU4 vs Odroid N2 - Which is best ...

Samsung Exynos 5422 (ARM Cortex-A15) It is easier to obtain better performance when using virtualization if it is hardware-assisted. 4. Has AVX. Intel Core i7-4770R. Samsung Exynos 5422. AVX is used to help speed up calculations in multimedia, scientific and financial apps, as well as improving Linux RAID software performance. 5.

### Intel Core i7-4770R vs Samsung Exynos 5422: What is the ...

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

### ODROID-MC1 Solo - ODROID

Exynos, formerly Hummingbird (Korean: 엑스노스; from the Greek words exynos meaning smart and prasinos meaning green), is a series of ARM-based system-on-chips developed by Samsung Electronics' System LSI division and manufactured by Samsung Electronics' Foundry division. It is a continuation of Samsung's earlier S3C, S5L and S5P line of SoCs. ...

### **Exynos - Wikipedia**

The A55 cores run at 2.0Ghz without thermal throttling using the stock heat sink, allowing a robust and quiet computer. The multi-core performance is around 40% faster, and the system DRAM performance is 50% faster than the ODROID-C2.

### **ODROID-HC2: 3.5" High powered storage | ODROID Magazine**

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) 2Gbyte LPDDR3 RAM at 933MHz (14.9GB/s memory...

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

On the Odroid-XU3, the Exynos5422 is clocked at close to its maximums, at 2.0GHz for the Cortex-A15 cores and 1.4GHz for the Cortex-A7 cores. Aside from the processor, the Odroid-XU3 is almost identical to the Odroid-XU. The 94 x 70 x 18mm dimensions are the same, as are most of the ports.

### **Odroid hacker board jumps to faster octacore SoC**

\* 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) \* 2Gbyte LPDDR3 RAM at 933MHz (14.9GB/s memory bandwidth) PoP stacked \* eMMC5.0 HS400 Flash Storage \* USB 3.0 Host x 1, USB 3.0 OTG x 1, USB 2.0 Host x 4 \* HDMI 1.4a and DisplayPort1.1 for display

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