

Behold the Exynos 4 Quad, the Chip That Powers Samsung Galaxy S3



We still have no idea what Samsung's next-generation [Galaxy smartphone](#) [1] will look like, but we now know what processor will power it: Samsung Exynos 4 Quad.

It's a 32nm, 1.4GHz quad-core beast with twice the processing capability of the older Exynos 4 Dual, while consuming 20 percent less power.

To achieve this level of efficiency, Samsung has implemented on-off switching as well as dynamic voltage and frequency scaling for each core, meaning the processor will consume exactly the amount of power it needs under any given workload.

The new processor also sports a full HD 30 fps video hardware codec engine which enables 1080p video recording and playback.

Samsung Exynos 4 Quad is "already in production" and it will first be used in the next Galaxy, scheduled to be announced in May. Samsung is also currently sampling it to other handset makers; since the processor has exactly the same form factor as its predecessor, we can expect to see it in many upcoming devices very soon.

www.mashable.com [2]

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