Samsung Exynos 2500 ready to surpass Snapdragon 8 Gen 4?

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Not long ago, it was reported that next year's Samsung Galaxy S25 series could be powered by the Exynos 2500, and Samsung will move into the "Dream Chip" era with its 2026 Galaxy S series. Now, a new report has emerged claiming that the Galaxy S25 series with Exynos 2500 can even surpass the performance of the Qualcomm Snapdragon 8 Gen 4 variants.

Samsung has used its in-house Exynos 2200 processor on the Galaxy S22 series. However, problems with excessive heat and slow performance forced the Korean manufacturer to equip all Galaxy S23 versions last year with Snapdragon processors. This year, the situation looks better as Exynos 2400 has launched and is used on Galaxy S24 and Galaxy S24+ models in most markets except the US and China. It is likely that Samsung will continue to apply the same strategy for next year's flagship Galaxy S25 series.

It is worth mentioning that the entire Galaxy S24 series is equipped with many new Galaxy AI features. These features not only Snapdragon chips but also Exynos variants can handle well. That success has once again revived the Exynos brand, giving users a sense of confidence in the quality of Samsung processors. Notably, Qualcomm 8 Gen 3 still leads in performance, but Exynos with its cheaper price is also very competitive.

Samsung is the first company to mass-produce the 3nm Gate All Around (GAA) process globally, and is also the first company to deploy this technology in semiconductor chips. Earlier this month, it was reported that the Korean semiconductor giant is promoting cooperation with Electronic Design Automation (EDA) company

Synopsys to deploy commercial production of 3nm chipsets.

Currently, according to the latest report from BusinessKorea, Samsung is planning to mass produce Exynos 2500 using 3nm GAA technology for the Galaxy S25 series launched early next year. Industry analysts believe that the Exynos 2500 is manufactured on a 3nm process using GAA technology, meaning the gate surrounds the channel on all four sides, which in theory should minimize power leakage and increase current. power, helping it surpass the Qualcomm Snapdragon 8 Gen 4 processor, especially in terms of power efficiency.

Samsung holds GAA and will use this technology to produce Exynos processors. Meanwhile, the Snapdragon 8 Gen 4 chipset will be manufactured by TSMC on a second-generation 3nm process with FinFET transistors. Overall, it's not possible to draw any official conclusions as actual results will depend on how both the Exynos and Snapdragon processors are optimized for use on Galaxy devices.