

Samsung's New 5-Nanometer Chip is Designed for Smartwatches



2021-08-15

Samsung has unveiled the Exynos W920, a new processor designed specifically for smartphones and wearables. It has an integrated LTE modem and is the first chip designed for wearables to be built on a 5-nanometer EUV (extreme ultra-violet) process, according to Samsung.

The new chip features dual Cortex-A55 cores, a Mali-G68 GPU and a Cortex-M55 processor dedicated to always-on displays that's designed to reduce power consumption. The company claims that it offers a 20 percent improvement in CPU performance and tenfold GPU boost over its last wearable chip. It's also the "smallest package currently available in the market for wearables," it said.

In its press release, Samsung explicitly wrote that "the Exynos W920 supports a new unified wearable platform Samsung built jointly with Google, and will be first applied to the upcoming Galaxy Watch model." That's no doubt going to be the Galaxy Watch 4 that leaked out last month and is expected to be announced tomorrow at [Samsung's Galaxy Unpacked event](#).

Samsung will likely also reveal its latest smartwatch software that marries Tizen and Wear OS, developed jointly with Google. We're expecting to see navigation changes, new Tiles for third-party apps, improved battery efficiency, improved health and fitness tracking and a more open interface.

Read the [original article](#) on Engadget.