

AMD's next-gen 'Granite Ridge' CPUs are about to enter mass production, AM5 platform later this year

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AMD's next-generation Ryzen CPUs, expected to be codenamed Granite Ridge and powered by the Zen 5 core architecture, are said to be about to enter mass production in time for a market launch this fall. shipping later this year.

The new Ryzen CPU line will be oriented by AMD as a landmark generation due to the switch to using a completely new Zen architecture. These Granite Ridge CPU models will be equipped with Zen 5 core architecture and come with a series of unprecedented technologies, with the foundation being an improved, more superior architecture.

These CPUs will be compatible with the AM5 desktop platform, including existing 600 series motherboards. AMD's official roadmap has set the next generation Ryzen CPUs to launch in 2024, so we can expect to see the first commercial products appear on the market in the second half of the year. 2024.

Currently, not much information about the Zen 5 core architecture has been revealed, but according to what AMD has officially stated, this architecture provides the ability to:

1. Improve performance and efficiency
2. The user interface issue has been fixed
3. Integrated AI and Machine Learning optimization



?These new AMD CPUs will launch at the same time Intel brings the Arrow Lake-S desktop CPU line to market on the new LGA 1851 socket interface. Similar to AMD's Zen 5 architecture, Intel will also add AI-specific accelerators in its new Core product line. Coming with that is a new NPU design, which is said to be a slightly updated version compared to what we saw on Meteor Lake CPUs. Currently, AMD is the manufacturer that has the advantage of bringing the first desktop CPUs with NPUs to market with the upcoming launch of the Ryzen 8000G desktop APU line due later this month.

Notably, as revealed by technology blogger @Kepler_L2, the Ryzen "Granite Ridge" series is being mass produced and AMD will decide if they want to quickly enter the market and launch these chips at Computex event after the product launch in the third or fourth quarter of this year.

In terms of compatibility, users purchasing the AM5 platform will be able to rest assured of compatibility with next-generation AMD Ryzen CPUs. AMD has committed to a 2025+ plan for its AM5 socket, and as we saw on the AM4 platform, AMD has supported its CPU platforms much longer than Intel. The Zen 5 core architecture will also be available on the next generation laptop processor line codenamed Strix Point. AMD will likely release this CPU line in 2025.

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