

**Eric Revell**

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NVDA -2.68%

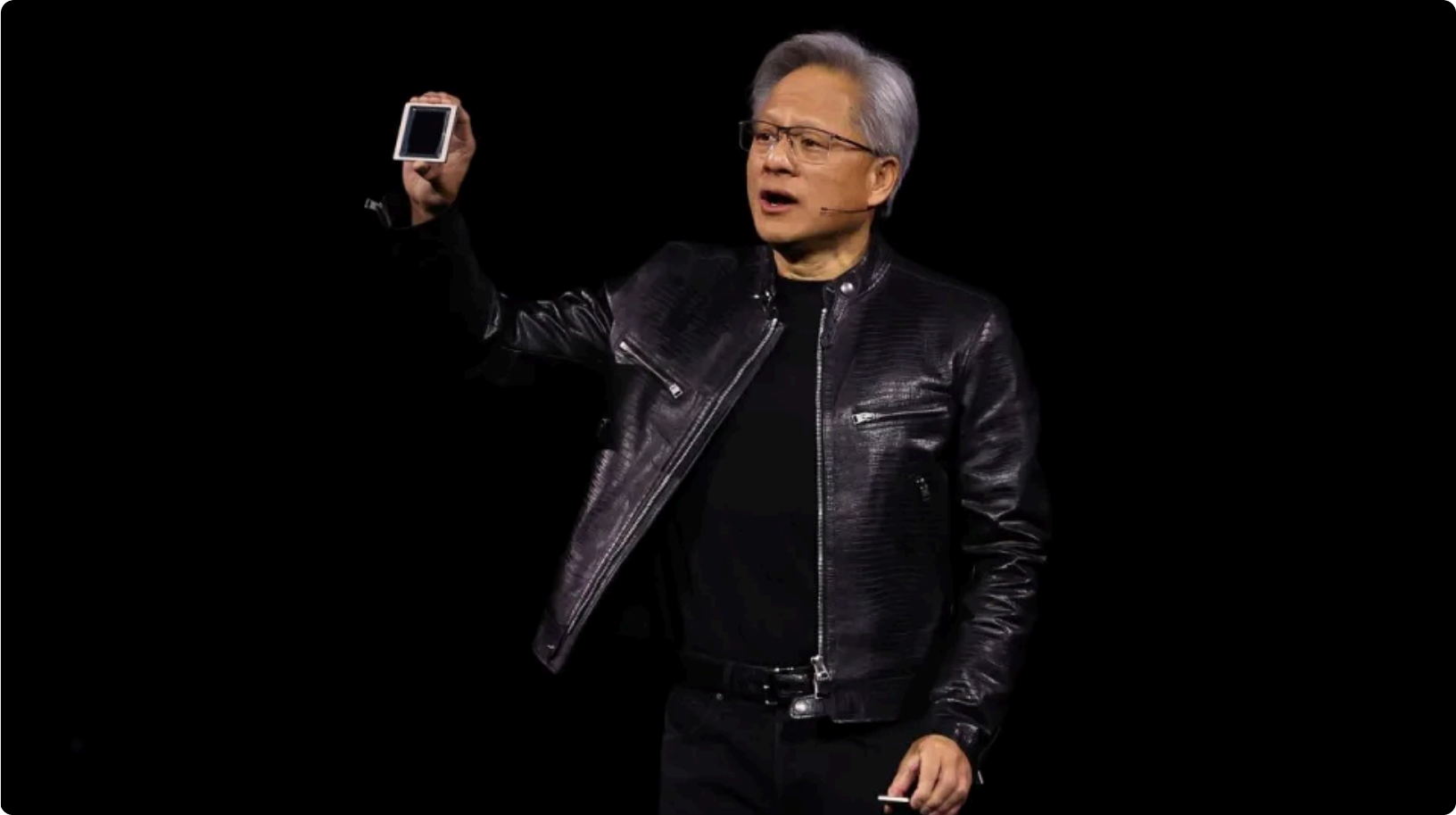
Nvidia CEO Jensen Huang kicked off the [artificial intelligence \(AI\)](#) giant's GTC 2024 conference with a keynote address on Monday in which he unveiled the company's next-generation AI chip that the company hopes will keep Nvidia at the forefront of the AI race.

The new Blackwell G200 is the successor to its Grace Hopper line of graphics processing units (GPUs), which are used in [data centers and supercomputers](#) as well as speeding up tasks. Nvidia said the new chip can enable AI models with a trillion parameters while reducing operating costs and energy consumption.

In a press release, the company said companies like Amazon Web Services, Dell, Google, Meta, Microsoft, OpenAI, Oracle, Tesla and xAI are expected to adopt Blackwell.

"Hopper is fantastic, but we need bigger GPUs," Huang said during his keynote address in which he introduced Blackwell as a new "very, very big GPU" that binds two silicon squares that are each the size of its predecessor chip so that they function as a single unit.

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Nvidia CEO Jensen Huang shows off the new Blackwell AI chip in comparison to its predecessor.

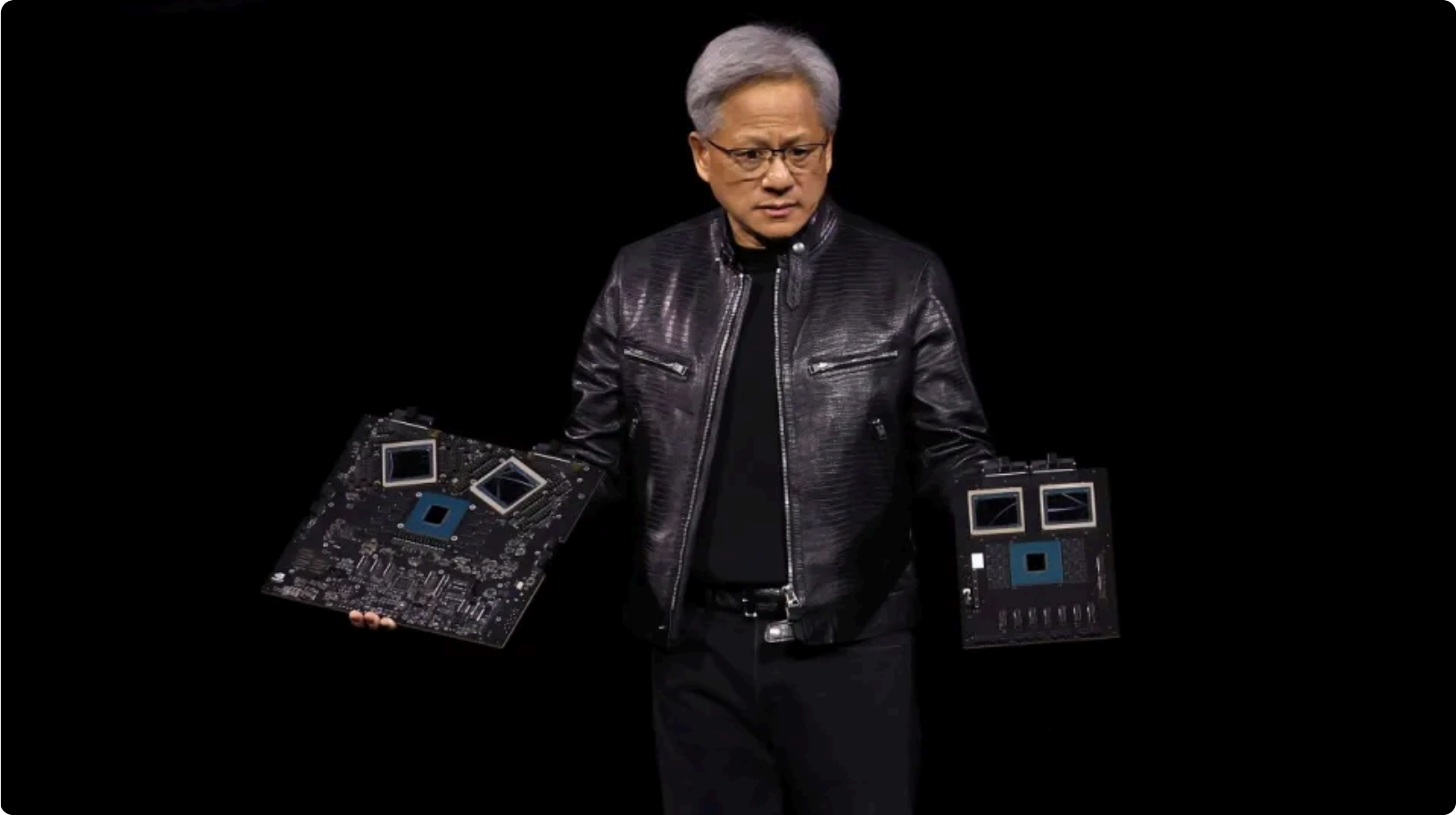
Huang said that Blackwell's design allows it to easily replace its predecessor, the Grace Hopper chip, "You slide out Hopper, and you push in Blackwell. That's the reason why one of the challenges of ramping is going to be so efficient."

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"There are installations of Hoppers all over the world and they could be the same infrastructure, same design, the power, the electricity, the thermals, the software – identical. Push it right back, and so this is a Hopper version for the current SGX configuration," [Huang explained](#).

Huang brought out a "quite expensive" fully-functioning board to show the audience that featured two Blackwell chips and four Blackwell dies connected to a Grace CPU that has a "super fast chip-to-chip link."

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Nvidia CEO Jensen Huang shows off new AI processors during his keynote address.

"What's amazing is this computer is the first of its kind where this much computation, first of all, fits into this small of a place. Second, it's memory coherent, so it feels like they're just one big happy family working on one application together. So everything is coherent within it," Huang said. "There's a lot of terabytes this, and terabytes that, but this is a miracle."

Huang went on to say that the inference capability of Blackwell is "off the charts" and about 30

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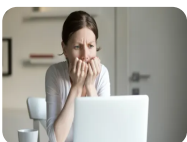
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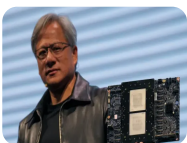
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