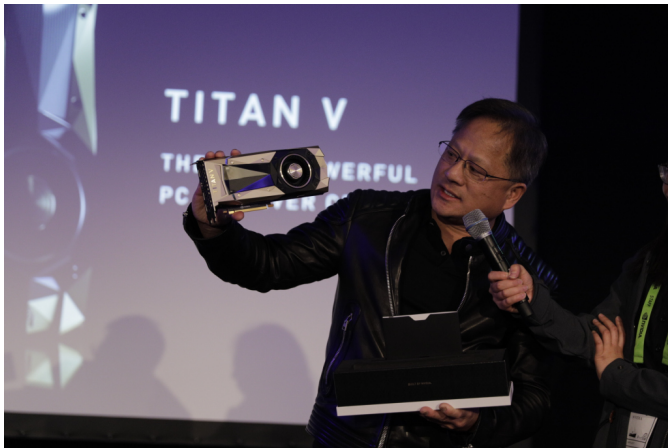


Nvidia Claims "Most Powerful PC GPU"

Written by Alice Marshall
14 December 2017

Nvidia presents what it claims is "the most powerful PC GPU ever created"-- the Titan V, the first consumer-grade GPU based on [Volta architecture](#), previously the preserve of high performance computing applications.



Technically a trimmed-down (and, as such, less powerful) version of the enterprise-grade Tesla V100, the Titan V carries 21.1 billion transistors, 5120 Cuda cores, 640 additional tensor cores and 12GB of HBM2 memory on a massive 815mm sq die. The result is performance reaching up to 110 teraflops, or "9x that of its predecessor."

"Our vision for Volta was to push the outer limits of high performance computing and AI. We broke new ground with its new processor architecture, instructions, numerical formats, memory architecture and processor links," the company says. "With Titan V, we are putting Volta into the hands of researchers and scientists all over the world. I can't wait to see their breakthrough discoveries."

As one might imagine, such a card and its \$3000 pricetag are not exactly meant for customers wanting to play a quick game of Star Wars Battlefront 2-- even if remains, ultimately, a standard PCIe video card. Nvidia primarily aims the card at researchers wanting to build machines able to run scientific simulations or AI workloads. It should also be ideal for serious cryptocurrency miners.

The Titan V is available now with a limit of 2 per customer.

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