

Nvidia launches RTX 4070 version with 'super fast' GDDR6 memory

NVIDIA's graphics card products have never failed to impress in some aspect.

Indeed, Nvidia released the RTX 4070 SUPER in January this year, but the base RTX 4070 version is still in production. Now, the company has launched a third variant of the RTX 4070 that is almost identical to the original model. The only difference between the two versions lies in the memory standard. The new RTX 4070 is equipped with "super fast" GDDR6 memory, while the old model uses GDDR6X DRAM. In addition, other specifications remain unchanged:

	Cores	Memory	Clocks	TGP	Price
Nvidia RTX 4070	5888 CUDA cores	12 GB GDDR6X 12 GB GDDR6 128-bit, 20 Gbps 480 GB/s	1920 MHz base 2475 MHz boost	200W	\$549

As a reminder, Nvidia says the new model is equipped with "super fast" GDDR6 memory, which can perform almost identically to its GDDR6X cousin. Real-world tests will show performance differences, but Nvidia claims the new model "delivers similar performance in games and applications". As for why it created the new RTX 4070 variant with GDDR6 memory, Nvidia cited the need to improve supply and availability given the strong demand for this line of graphics cards.

The RTX 4070 GDDR6 may launch through Nvidia's OEM partners as soon as September, and has been listed in the latest 560.94 WHQL Game Ready driver support list.

* **May 2, 2023** : NVIDIA GeForce RTX 4070 launched

NVIDIA's graphics card products have never failed to impress in some aspect. The company made headlines when it announced its first Ada Lovelace GPU: the RTX 4090, then the RTX 4080 (which later became the RTX 4070 Ti), and now the 'real' RTX 4070.

Specs

	GeForce RTX 4070 Ti	GeForce RTX 4070
NVIDIA CUDA Cores	7680	5888
Boost Clock (GHz)	2.61	2.48
Memory Size	12 GB	12 GB
Memory Type	GDDR6X	GDDR6X
Max Display Resolution	4K at 240Hz or 8K at 60Hz with DSC	4K at 240Hz or 8K at 60Hz with DSC

The NVIDIA GeForce RTX 4070 has just been officially launched using the same AD104 die as on the RTX 4070 Ti. The only difference is that this die has 5888 CUDA cores instead of the full 7680 cores in the 4070 Ti. Users will get 12GB of GDDR6X VRAM with a 192-bit bus. The card also features 3rd generation RT cores and 4th generation Tensor cores like the larger cores.

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That's a notable drop compared to the 4070 Ti and other NVIDIA Ada Lovelace GPUs. But according to NVIDIA itself, this card will provide the same level of performance as the RTX 3080 released in late 2020. At that time, the RTX 3080 had an official list price of 700 USD. However, due to chip shortages, the pandemic, and supply chain disruptions, this line of cards has never actually been consistently available on store shelves, and speculation has driven down trading values. The reality of the product doubles or even triples.

By contrast, the RTX 4070 starts at \$599—only \$100 off, but GPU availability is much better now than it was then, so you can actually get it for exactly that price. is like that. Essentially, the RTX 4070 has all the innovations of the NVIDIA® Ada Lovelace architecture, including new gaming standards like DLSS 3 neural

rendering and real-time ray tracing technology. The card can run most modern games well at over 100 frames per second at 1440p resolution.

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