Leaked benchmark results of AMD Radeon RX 6700M 'Navi 22' laptop GPU

The first information about the benchmark results of the AMD Radeon RX 6700M RDNA 2 laptop GPU model based on Navi 22 has just been revealed.

According to data posted on Zhihu, the latest RDNA 2 GPU model that AMD developed for the laptop market can completely become a fair competition with dedicated graphics card products for laptops. premium from NVIDIA.

Basically, Radeon RX 6700M is one of two graphics chips using AMD's Navi 22 GPU SKU, the other is RX 6800M. In the test review, this GPU is equipped on the MSI DELTA 15, which is an AMD Advantage certified gaming laptop model, accompanied by a Ryzen 9 5900HX CPU & 16GB of DDR4-3200 (Single Rank) memory x8). While the device selected for comparison is the Razer Blade 14, with a Ryzen 9 5900HX CPU configuration and an NVIDIA RTX 3070MQ GPU.

The main purpose of this test is to see how the Radeon RX 6700M can compete in performance against its rival from NVIDIA. However, it should also be noted that the two laptop models above both have heatsinks of different designs, as well as different TDP levels for CPU/GPU. Therefore, the comparison results will hardly be absolutely accurate.

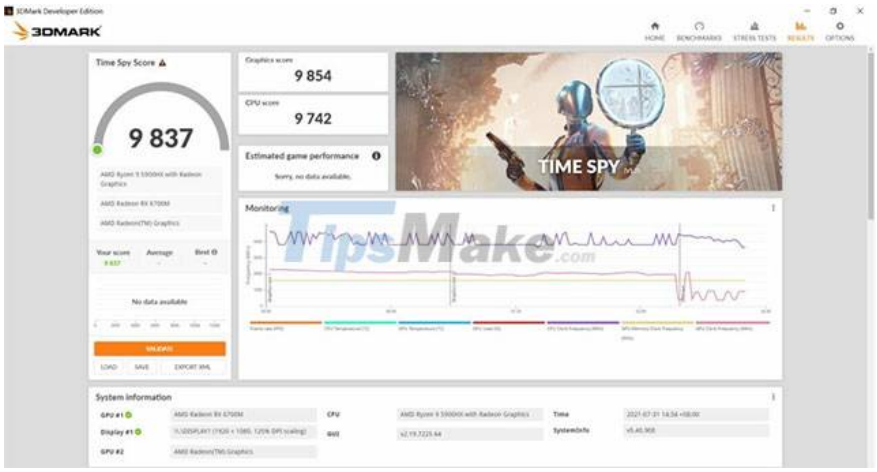
The AMD Radeon RX 6700M is also basically based on Navi 22, but uses a cut core 2304 chip. It has the same clock speed of 2.3GHz, but has a 160-bit memory bus interface that has also been cut down to achieve a total GDDR6 memory capacity of 10GB, and also only 80MB of Infinity cache. Cache. The chip has a TGP range of up to 135W and will be primarily targeted at supporting 1440p as well as 1080p gaming.

In terms of performance (via benchmarks), it must first be pointed out that the AMD Radeon RX 6700M comes in three types of TDP, 135W, 110W and 80W SKUs. It looks like the model featured in MSI's DELTA 15 gaming laptop is a 110W variant. This variant is being compared to the 80W GeForce RTX 3070MQ in the Razer Blade 14.

Another downside of the Razer Blade 14 is that it has memory soldered to the motherboard, which will inevitably result in slightly worse performance than the SO-DIMM modules included on the MSI DELTA variant 15. In general, this configuration can negatively affect the gaming performance of the RTX 3070.

The test results show that in terms of performance, the AMD Radeon RX 6700M is about 9% faster on average and up to 30% in particular (in Hitman 2 DX12) than the NVIDIA RTX 3070. However, it should also be taken into account. a 37.5% increase in the power of AMD chips compared to rival NVIDIA. Overall, if you compare both the 80W variants of both the RTX 3070 and RX 6700M, it's unlikely that there will be any major differences in gaming performance between these two GPU models.

In the 3DMark Time Spy Synthetic rating scale, the AMD Radeon RX 6700M scored 9854 with the latest driver. The score is enough to make this GPU model one of the best gaming graphics card solutions for laptops today.



AMD ADVANTAGE laptop models are not yet available in the retail segment, but hopefully the high-end Radeon RX 6800M & RX 6700M solutions will soon reach consumers, offering more choices in products. products from Intel and NVIDIA.

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