See the benchmark of the extremely rare Intel Core i9-9990XE CPU, only auctioned to OEM

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Both Intel and AMD have strong returns, stirring up the high-end processor market in recent years, with extremely high quality updates and improvements for products. My cult like Threadripper (AMD) and Core X (Intel). More specifically, Intel's latest ultra-high-end chip, 14-core Core i9-9990XE, will no longer be available to provide OEMs through traditional purchases but instead, OEMs have may have to participate in the auction to have ownership of this product. In addition, according to Tom's Hardware page, Core i9-9990XE will only be for OEMs and not retail for end users, making the price of this chip on the market be pushed up very high.

One of the successful OEMs in Core i9-9990XE order from Intel announced the price per chip up to 2,300 USD. This number is 21% higher than the retail price of Core i9-9980XE and 65% compared to Core i9-9940XE.

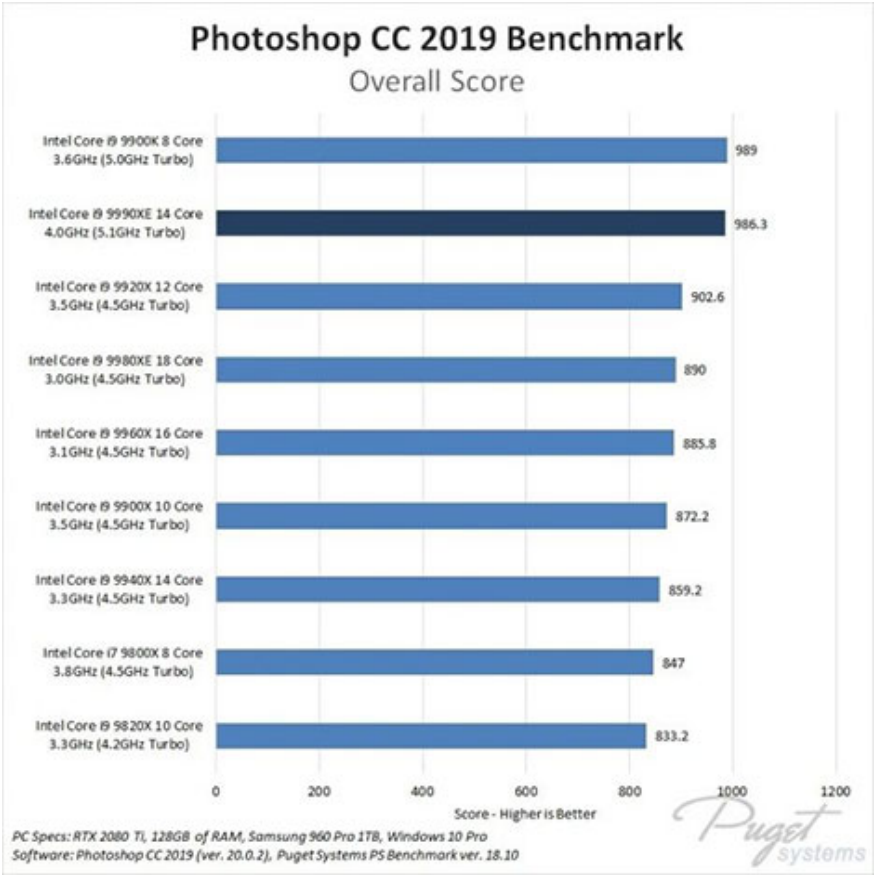
1. Intel officially introduced the Ice 10nm CPU, promising to be available on PCs shipped later this year

Unlike the Core i9-9980XE or similar chips, the main factor behind the Core i9-9990XE's appeal is not its coarse core number, but a mix of core and frequency cores. Instead of using 18-core / 36-thread setups like Core i9-9980XE, Intel decided to use the Core i9-9940XE 14-core / 28-thread setup for Core i9-9990XE and this adjustment has blown up. The controversy is not over since the official chip was released. However, the very high default clock rate of the Core i9-9990XE allows this new chip to outperform older models in some specialized tasks for high-performance computers. On the other hand, though, 18-core and 28-core CPUs are extremely useful in some specific cases, but their overall performance is affected when the number of cores increases. Meanwhile, this 14-core chip is clearly positioned at the starting point of the concept that Intel

considers as a "balance between speed and quantity of raw streams" to give the most stable performance in every situation.

	Core i9 9990XE	Core i9 9980XE	Core i9 9940X	Core i9 9900K
# of Cores	**14**	18	14	8
Base clock	**4.0 GHz**	3.3 GHz	3.0 GHz	3.6 GHz
Max Turbo Boost	**5.1 GHz**	4.5 GHz	4.5 GHz	5.0 GHz
All-Core Turbo Boost	**5.0 GHz**	4.1 GHz	3.8 GHz	4.7 GHz
TDP	**255 W**	165 W	165 W	95 W
MSRP	**Auction**	$1,999	$1,399	$499

Looking at the above statistics, we can see that the maximum turbo frequency is up to 5.1 GHz and the overall increase of all 5 GHz cores makes the chip named CPUSEEAMAZON_ET_135 probably the fastest commercial CPU. that Intel has ever launched. Puget System's prestigious rating system has published specific articles discussing Core i9-9990XE performance in Pix4D, Lightroom Classic, After Effects 2019, Premiere Pro 2019 and Photoshop 2019, and their general conclusion about This chip is whether or not the core concept is suitable, and exactly how many cores you need for each thread to get the best end performance and optimum power consumption.



1. Intel introduces new breakthroughs in chip design, vertical stacking

With 14 cores / 28 threads and L3 buffer 19.25 MB, the i9-9990XE provides significantly higher clock speeds, but at an incredible TDP of 255W. Overall, i9-9990XE completely defeated the i9-9980XE 18 core in a series of benchmark tests related to HEDT.

So we can clarify the following questions: Is this an extremely fast chip? That's right - one of the fastest CPUs on the market. Question 2 is more important: Should I spend $ 2,300 to upgrade to the i9-9990XE? And the answer is to be very careful and consider carefully whether you really have a need for extremely high speed.

Overall, it can be said that Intel has achieved its goal of launching a CPU that can overcome both Core i9-9900K, which had previously raged in both frequency and core number. Overcoming the problem of selling price and scarcity level aside, this will be a very remarkable chip in the near future. Let's wait and see how manufacturers will apply Core i9-9990XE in their terrible products!

1. AMD launched Zen 2 for the data center, the world's first x86 7nm CPU