🏠 **CPU Benchmarks** ▼

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i9-12900K

Price and performance details for the Intel Core i9-12900K can be found below. This is made using thousands of PerformanceTest benchmark results and is updated daily.

- The first graph shows the relative performance of the CPU compared to the 10 other common (single) CPUs in terms of PassMark CPU Mark.
- The 2nd graph shows the value for money, in terms of the CPUMark per dollar.
- The pricing history data shows the price for a single Processor. For multiple Processors, multiply the price shown by the number of CPUs.

Is the Intel Core i9-12900K Good for Gaming?

This is relatively new CPU that contains 16 Cores and 24 Threads. The Intel Core i9-12900K also has great single threaded performance that will serve well in games. Paired with a good videocard, *is this CPU Good for Gaming?* Yes, this is a high end chip that would be great for gaming. [More ...]

🏠 **CPUS**

📈 **High End**

   High Mid Range

   Low Mid Range

   Low End

💲 **Best Value (On Market)**

   Best Value XY Scatter

   Best Value (All time)

⚠️ **New Desktop**

   New Laptop

📊 **Single Thread**

   Systems with Multiple CPUs

   Overclocked

   Power Performance

   CPU Mark by Socket Type

   Cross-Platform CPU Performance

   Top Gaming CPUs

🔍 **CPU Mega List**

   Search Model

📑 **Compare** [1]

Intel Core i9-12900K

Description: Intel UHD Graphics 770

Class:	**Socket:**
Desktop	FCLGA1700

Total Cores: 16 Cores, 24 Threads

Performance Cores: 8 Cores, 16 Threads, 3.2 GHz Base, 5.2 GHz Turbo

Efficient Cores: 8 Cores, 8 Threads, 2.4 GHz Base, 3.9 GHz Turbo

Typical TDP:	**TDP Down:**
241 W	125 W

Cache Size: L1: 1408 KB, L2: 14.0 MB, L3: 30 MB

Memory Support: Max. Memory Size: 128 GB (Up to DDR5 4800 MT/s, Up to DDR4 3200 MT/s, ECC Supported)

Other names: 12th Gen Intel(R) Core(TM) i9-12900K, 12th Gen Intel Core i9-12900K

CPU First Seen on Charts: Q4 2021

CPUmark/$Price: 99.82

Overall Rank: 74

Last Price Change: $416.53 USD (2023-01-21)

Average CPU Mark

🎯

41577

Single Thread Rating: 4209
Samples: 3505*
*Margin for error: Low

+ COMPARE