

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i5-10500 @ 3.10GHz

Price and performance details for the Intel Core i5-10500 @ 3.10GHz 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.

Home CPUS	Intel Core i5-10500 @ 3.10GHz		Average CPU Mark	
	High End	Description: Intel UHD Graphics 630	Class: Desktop	
High Mid Range	Socket: FCLGA1200	Clockspeed: 3.1 GHz	13236	Single Thread Rating: 2772 Cross-Platform Rating: 26,054 Samples: 134* * Margin for error : Low
Low Mid Range	Turbo Speed: 4.5 GHz	Cores: 6 Threads: 12	+ COMPARE	
Low End	Typical TDP: 65 W	Other names: Intel(R) Core(TM) i5-10500 CPU @ 3.10GHz		
	Best Value (On Market)	CPU First Seen on Charts: Q2 2020		
Best Value XY Scatter	Best Value (All time)	CPUmark/\$Price: 51.79		
	New Desktop	Overall Rank: 367		
New Laptop	Last Price Change: \$255.58 USD (2021-05-27)	CPU Test Suite Average Results for Intel Core i5-10500 @ 3.10GHz		
	Single Thread	Integer Math	45,090 MOps/Sec	
Systems with Multiple CPUs	Overclocked	Floating Point Math	28,105 MOps/Sec	
Power Performance	CPU Mark by Socket Type	Find Prime Numbers	35 Million Primes/Sec	
Cross-Platform CPU Performance		CPU Mega List		
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★ Common

🏠 CPU Benchmarks ▼

📈 AMD vs Intel Market Share

📅 Year on Year Performance

Random String Sorting

25 Thousand Strings/Sec

Data Compression

196.5 MBytes/Sec

Physics

712 Frames/Sec

Extended Instructions

13,391 Million Matrices/Sec

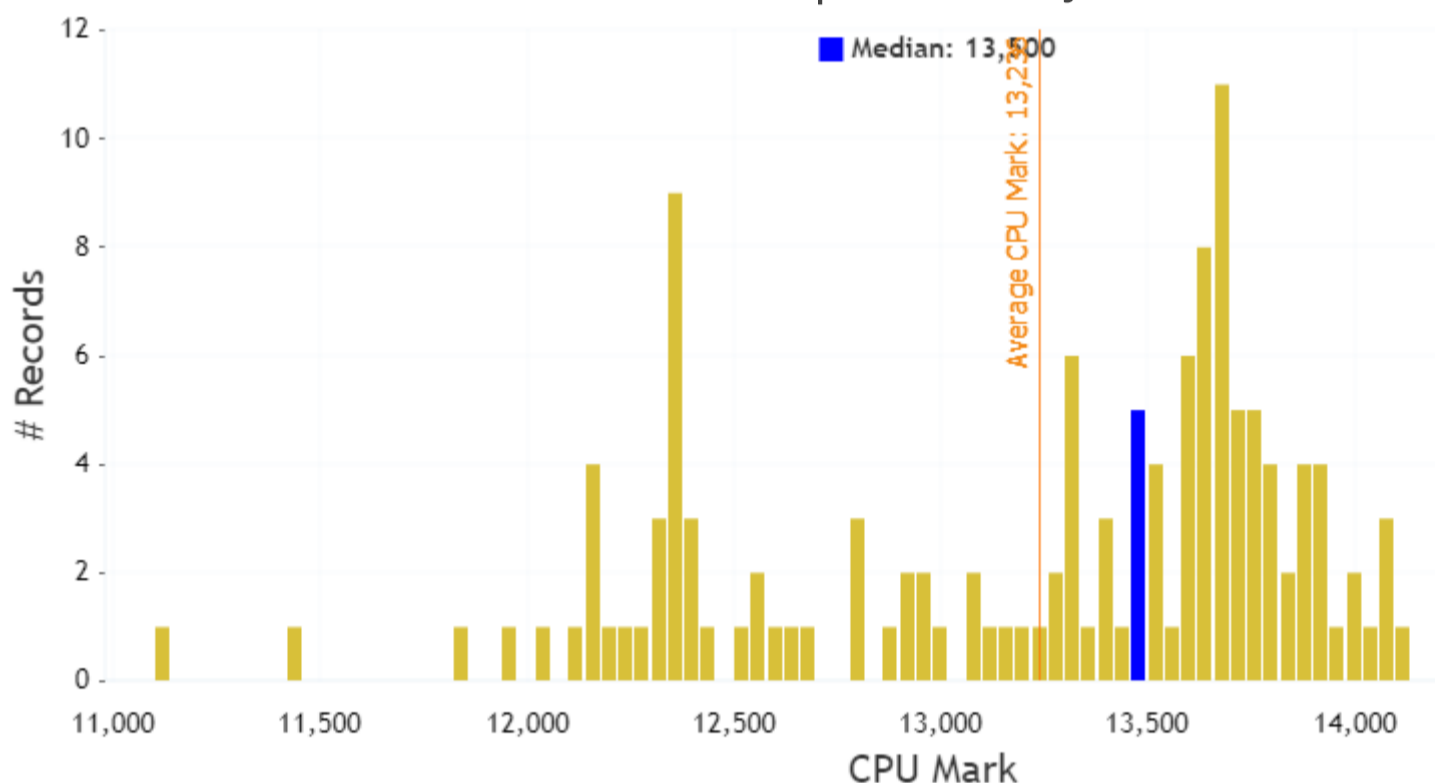
Single Thread

2,772 MOps/Sec

From submitted results to PerformanceTest V10 as of 14th of June 2021.

CPU Mark Distribution for Intel Core i5-10500 @ 3.10GHz

Submitted Baseline Distribution Graph as of 9th of June 2021



From submitted results to PerformanceTest V10 as of 9th of June 2021.

Search for Intel Core i5-10500 @ 3.10GHz

from the Featured Merchants below:



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Pricing History



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CPU Mark Relative to Top 10 Common Desktop CPUs

As of 14th of June 2021 - Higher results represent better performance

Processor	Average CPU Mark
AMD Ryzen 9 3900X	32,894
AMD Ryzen 7 3700X	22,800
Intel Core i7-10700K @ 3.80GHz	19,498
Intel Core i9-9900K @ 3.60GHz	18,860
AMD Ryzen 5 3600	17,865
Apple M1 8 Core 3200 MHz	15,128
Intel Core i7-9700K @ 3.60GHz	14,543
Intel Core i7-8700K @ 3.70GHz	13,906
Intel Core i5-10500 @ 3.10GHz	13,236
Intel Core i7-3770 @ 3.40GHz	6,368
Athlon Dual Core 4050e	670

CPU Value (CPU Mark / \$Price)

As of 14th of June 2021 - Higher results represent better value

Processor	CPU Mark / \$Price
AMD Ryzen 5 3600	85.08
AMD Ryzen 7 3700X	73.79
AMD Ryzen 9 3900X	56.53
Intel Core i5-10500 @ 3.10GHz	51.79
Intel Core i7-9700K @ 3.60GHz	45.73

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Intel Core i9-9900K @ 3.60GHz	47.96
Intel Core i7-10700K @ 3.80GHz	42.57
Intel Core i7-8700K @ 3.70GHz	28.67
Intel Core i7-3770 @ 3.40GHz	19.18
Apple M1 8 Core 3200 MHz	NA
Athlon Dual Core 4050e	NA

Single Thread Rating

As of 14th of June 2021 - Higher results represent better performance

Processor	Average Thread Rating
Apple M1 8 Core 3200 MHz	3,760
Intel Core i7-10700K @ 3.80GHz	3,085
Intel Core i9-9900K @ 3.60GHz	2,974
Intel Core i7-9700K @ 3.60GHz	2,908
Intel Core i7-8700K @ 3.70GHz	2,782
Intel Core i5-10500 @ 3.10GHz	2,772
AMD Ryzen 9 3900X	2,733
AMD Ryzen 7 3700X	2,689
AMD Ryzen 5 3600	2,583
Intel Core i7-3770 @ 3.40GHz	2,073
Athlon Dual Core 4050e	744

Last 5 Baselines for Intel Core i5-10500 @ 3.10GHz

Most recent listed first

Baseline	CPU Mark
BL1416154 - Jun 10 2021	13575
BL1415338 - Jun 08 2021	13397
BL1415186 - Jun 08 2021	12169

BL1414236 - Jun 06 2021

[12375](#)[Home](#) CPU Benchmarks ▼**Popular comparisons for Intel Core i5-10500 @ 3.10GHz***As of 14th of June 2021 - Higher results represent better performance*

Processor	Average CPU Mark
Intel Core i5-10500 @ 3.10GHz	13,236
Intel Core i5-10600KF @ 4.10GHz	14,588
AMD Ryzen 3 3100	11,725
Intel Core i5-10600K @ 4.10GHz	14,554
AMD Ryzen 5 2600X	14,085
AMD Ryzen 3 3300X	12,739
Intel Core i5-10400 @ 2.90GHz	12,422
Intel Core i5-10600 @ 3.30GHz	13,935
Intel Core i5-10500T @ 2.30GHz	10,780
AMD Ryzen 7 2700	15,682
AMD Ryzen 5 3600X	18,326
AMD Ryzen 5 3600	17,865
AMD Ryzen 5 PRO 4650G	16,528

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