

CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

Intel Core i7-7700T @ 2.90GHz

Price and performance details for the Intel Core i7-7700T @ 2.90GHz 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 CPU Mark 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.

Intel Core i7-7700T @ 2.90GHz

Description: Intel HD Graphics 630

Class:
Desktop

Socket:
FCLGA1151

Clockspeed:
2.9 GHZ

Turbo Speed:
3.8 GHZ

Cores:
4

Typical TDP:
35 W

Threads:
8

TDP Down:
25 W

Other names: Intel(R) Core(TM) i7-7700T CPU @ 2.90GHz

CPU First Seen on Charts: Q1 2017

Average CPU Mark


7530

Single Thread Rating: 2147

Samples: 360*

*[Margin for error](#) : Low

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PerformanceTest V9
CPU Mark: 9,395
Thread: 2,058

Overall Rank: 818

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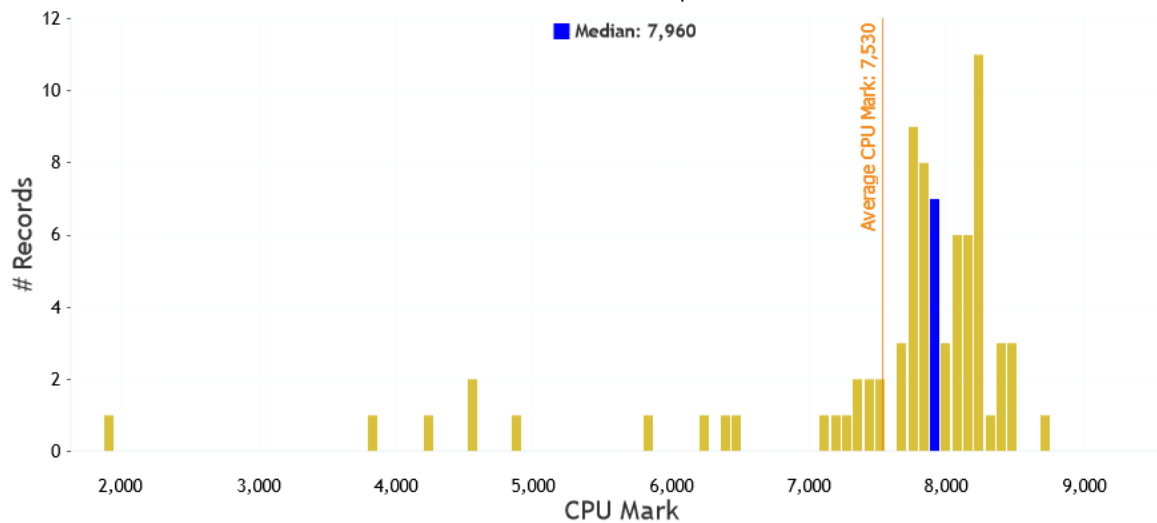
CPU Test Suite Average Results for Intel Core i7-7700T @ 2.90GHz

Integer Math	24,175 MOps/Sec
Floating Point Math	15,107 MOps/Sec
Find Prime Numbers	26 Million Primes/Sec
Random String Sorting	14 Thousand Strings/Sec
Data Encryption	2,548 MBytes/Sec
Data Compression	101.7 MBytes/Sec
Physics	539 Frames/Sec
Extended Instructions	6,655 Million Matrices/Sec
Single Thread	2,147 MOps/Sec

From submitted results to PerformanceTest V10 as of 28th of March 2022.



CPU Mark Distribution for Intel Core i7-7700T @ 2.90GHz

Submitted Baseline Distribution Graph as of 24th of March 2022



From submitted results to PerformanceTest V10 as of 24th of March 2022.

CPU Benchmarks

Merchant	Price	Purchase
	NA	CPU Not Available. See Other Models
	\$580.96 USD	BUY NOW!

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Pricing History



CPU Mark Relative to Top 10 Common Desktop CPUs

As of 29th of March 2022 - Higher results represent better performance

Processor	Average CPU Mark
AMD Ryzen 9 3900X	32,766
AMD Ryzen 7 3700X	22,723
Apple M1 Max 10 Core 3200 MHz	22,686
Apple M1 Pro 10 Core 3200 MHz	22,424

Intel Core i9-9900K @ 3.60GHz	18,736
Apple M1 8 Core 3200 MHz	14,769
Intel Core i7-9700K @ 3.60GHz	14,546
Intel Core i7-8700K @ 3.70GHz	13,873
Intel Core i7-7700T @ 2.90GHz	7,530

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CPU Value (CPU Mark / \$Price)

As of 29th of March 2022 - Higher results represent better value

Processor	CPU Mark / \$Price
AMD Ryzen 5 3600	99.09
AMD Ryzen 7 3700X	65.30
AMD Ryzen 9 3900X	64.25
Intel Core i7-10700K @ 3.80GHz	58.52
Intel Core i7-8700K @ 3.70GHz	41.34
Intel Core i7-9700K @ 3.60GHz	35.14
Intel Core i9-9900K @ 3.60GHz	32.60
Intel Core i7-7700T @ 2.90GHz	12.96
Apple M1 8 Core 3200 MHz	NA
Apple M1 Max 10 Core 3200 MHz	NA
Apple M1 Pro 10 Core 3200 MHz	NA

Single Thread Rating

As of 29th of March 2022 - Higher results represent better performance

Processor	Average Thread Rating
Apple M1 Max 10 Core 3200 MHz	3,850
Apple M1 Pro 10 Core 3200 MHz	3,849
Apple M1 8 Core 3200 MHz	3,764

Intel Core i9-9900K @ 3.60GHz	2,962
Intel Core i7-8700K @ 3.70GHz	2,766
AMD Ryzen 9 3900X	2,726
AMD Ryzen 7 3700X	2,681
AMD Ryzen 5 3600	2,577
Intel Core i7-7700T @ 2.90GHz	2,147

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Last 5 Baselines for Intel Core i7-7700T @ 2.90GHz

Most recent listed first

Baseline	CPU Mark
BL1540634 - Mar 28 2022	8364
BL1536913 - Mar 21 2022	6506
BL1528284 - Mar 07 2022	8133
BL1525420 - Mar 02 2022	4577
BL1522723 - Feb 25 2022	7863

Popular comparisons for Intel Core i7-7700T @ 2.90GHz

As of 29th of March 2022 - Higher results represent better performance

Processor	Average CPU Mark
Intel Core i7-7700T @ 2.90GHz	7,530
AMD Ryzen 5 1400	7,794
Intel Core i7-7700K @ 4.20GHz	9,663
Intel Core i7-7700 @ 3.60GHz	8,639
AMD Ryzen 5 1500X	9,083
AMD Ryzen 3 1200	6,305
AMD Ryzen 5 2400G	8,729
Intel Core i7-3930K @ 3.20GHz	8,244

AMD Ryzen 5 PRO 1500	9.402
AMD Ryzen 3 2200G	6.789
Intel Core i5-7600K @ 3.80GHz	6.868

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